

## STIC Database Tracking Number:

To: **CHRISTINA ZELASKIEWICZ**  
Location: **KNX5A64**  
Art Unit: **3600**  
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Case Serial Number: **09/884,296**

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## Search Notes

Dear Examiner ZELASKIEWICZ:

Please find attached the results of your search for the above-referenced case. The search was conducted in Dialog, the Internet and EBSCO HOST.

I have listed *potential* references of interest in the first part of the search results. However, please be sure to scan through the entire report. There may be additional references that you might find useful.

If you have any questions about the search, or need a refocus, please do not hesitate to contact me.

Thank you for using the EIC, and we look forward to your next search!

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## I. Potential References of Interest

### A. Dialog

**Dialog eLink:** [Order File History](#)

23/3K/1 (Item 1 from file: 348)

DIALOG(R)File 348: EUROPEAN PATENTS

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01888484

### **Systems and methods for secure transaction management and electronic rights protection**

Systeme und Verfahren zur gesicherten Transaktionsverwaltung und elektronischem Rechtsschutz

Systemes et procedes de gestion de transactions securisees et de protection de droits electroniques

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(Applicant designated States: all)

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	Country	Number	Kind	Date	
Patent	EP	1526472	A2	20050427	(Basic)
	EP	1526472	A3	20060726	
Application	EP	2004078254		19960213	
Priorities	US	388107		19950213	

**Designated States:**

AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;

IT; LI; LU; MC; NL; PT; SE;

**Related Parent Numbers: Patent (Application):**EP 861461 (EP 96922371)**International Patent Class (V7):** G06F-017/60; G06F-009/46

International Classification (Version 8) IPC	Level	Value	Position	Status	Version	Action	Source	Office
G06F-0001/00	A	I	F	B	20060101	20060616	H	EP
G06F-0009/46	A	I	L	B	20060101	20050309	H	EP

**Abstract Word Count:** 151**NOTE:** 75**NOTE: Figure number on first page:** 75

Legal Status	Type	Pub. Date	Kind	Text
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**Language** Publication: English

Procedural: English

Application: English

Fulltext Availability	Available Text	Language	Update	Word Count
CLAIMS A		(English)	200517	355
SPEC A		(English)	200517	167222
Total Word Count (Document A) 167604				
Total Word Count (Document B) 0				
Total Word Count (All Documents) 167604				

**Specification:** ...or "digital") highway. Electronic Content

Today, virtually anything that can be represented by words, numbers, **graphics**, or system of commands and instructions can be formatted into electronic digital information. Television, cable...more increments (such as one or more blocks of a preidentified nature, e.g., bytes, **images**, logically related blocks) that form a generally arbitrary, but logical to a user, content "deliverable... ..of mixed increment selections (for example, a certain quantity of certain text could mean associated **images** might be discounted by 15%; a greater quantity of text in the "mixed" increment selection might mean the **images** are discounted 20%). Such user selected aggregated information increments can reflect the actual requirements of... ..to the user. VDE further supports a wide variety of predefined increment types including:

) ) bytes,

) ) **images**,

) ) content over time for audio or video, or any other increment that can be identified... said extracted content, such as material authored by the extractor and/or content (for example, **images**, video, audio, and/or text) extracted from one or more other VDE container objects for... ..parameters related to electronic information content use; (b) different increment units (bytes, documents, properties, paragraphs, **images**, etc.) and/or other organizations of such electronic content; and/or (c) different categories of...by modifying in a normally

undetectable way color frequency and/or the brightness of certain **image** pixels, by slightly modifying certain audio signals as to frequency, by modifying font character formation...7 shows an example of an electronic appliance;

C distribution of "content" such as electronic printed matter, video, audio, **images** and computer programs; and

C secure communication of private information such as medical records and...rules and controls" are added by the distributor.

"Rules and controls" can be used to **protect** the content user's **privacy** by limiting the information that is reported to other VDE participants. As one example, "rules... ..related to, or consume, distributed information.

**Dialog eLink:** [Order File History](#)

23/3K/5 (Item 4 from file: 349)

DIALOG(R)File 349: PCT FULLTEXT

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00819465

#### A DECLARATIVE LANGUAGE FOR SPECIFYING A SECURITY POLICY LANGAGE DECLARATIF DESTINE A SPECIFIER UNE POLITIQUE DE SECURITE

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	Country	Number	Kind	Date
Patent	WO	200152496	A2-A3	20010719
Application	WO	2000US33640		20001211
Priorities	US	2000479781		20000107

**Designated States:** (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR,  
BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM,  
EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,

ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ,  
LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,  
MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU,  
SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,  
TZ, UA, UG, UZ, VN, YU, ZA, ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;  
GR; IE; IT; LU; MC; NL; PT; SE; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML;  
MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;  
UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Language** Publication Language: English

Filing Language: English

Fulltext word count: 21610

#### Detailed Description:

...why access is being  
granted or denied to particular resources and may lead to unintentional  
**breaches** of security.

A way to **reduce** or eliminate the confusion described above is by providing a user-friendly and, yet, rigorous...deviate from those patterns.

7

#### BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a schematic **diagram** showing the relationship of elements of the Policy Monitoring System, according to the invention;

Fig. 2 is a schematic **diagram** of a protocol event according to the invention; Fig. 3 is a schematic **diagram** of a disposition according to the invention;

Fig. 4 is a schematic **diagram** of communicating parties according to the invention;

Fig. 5a is a schematic **diagram** of a network event, comprising protocol events at different protocol layers, having an associated network...  
...for the network event.

#### DETAILED DESCRIPTION OF THE INVENTION

##### Overview

Fig. 1 is a schematic **diagram** showing the relationship of elements of the Policy Monitoring System 100, according to the preferred...of security violations involving one or both of the principals.

Fig. 4 is a schematic **diagram** of communicating parties according to the invention; wherein an initiator host machine 141 attempts to...section defines what to do with the protocol (or network) 103 event if the current **policy rule** is **applied** to the protocol event. That is, if the rule is ... Policy Compiler (Fig. 11 106). In one embodiment, said compilation step is incorporated into a **graphical** policy editor, such that it is incorporated into said policy specification step. In another embodiment ... Engine 101 for evaluation of one or many network events 103, or back into the **graphical** policy editor for visualization and further refinement.

##### Evaluation of Rules

This section describes how policy... security administrator uses the annotated specification language 109 using a visual tool, such as a **graphical** policy editor to determine how the policy rules are interrelated, their hierarchical relationships and how...protocol event the Policy Engine 101 selects a policy rule applicable to that event. Every **policy rule** is **associated** with a specific protocol and action or a set of protocols and actions. Therefore only...event. The specificity of a policy rule is determined by the specificity of the credentials **associated** with the **policy rule**, as well as the specificity of the rule's protocol, action and prerequisite specifiers. For...guidelines for good policy development that minimize herein above ambiguities.

Fig. 5a is a schematic **diagram** of the preferred embodiment in which a network event 103 comprises M protocol events at...In the preferred embodiment when an immediate outcome does not produce a final disposition the **associated** selected **policy rule** becomes a pending policy rule for the related network event (507). The Policy Engine 1... policy by the Policy Engine 101. It is intended to incorporate the guidelines into a **graphical** policy editing invention using wizards, policy templates and other UI mechanisms that among other uses...

#### Claims:

...events by using said associated predefined protocol layers; means for Policy Engine to select a **<B>policy</B> <B>rule</B> <B>associated</B>** with each of said plurality of protocol events, using a specificity of said policy rule...credential, comprising the steps of: selecting a first set of rules from said plurality of **<B>policy</B> <B>rules</B>**, such that each rule is **<B>associated</B>** with said Agent; selecting a second set of rules from said first set of rules...a policy violation; CONTINUE; and OK.  
60 A method for processing an outcome of a **policy rule associated** with a protocol event of a network event, comprising the steps of: if said outcome...

26/3,K/8 (Item 8 from file: 2)

DIALOG(R)File 2: INSPEC

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07769878 **INSPEC Abstract Number:** C2001-01-7130-008

**Title: Overview of current criminal justice information systems**

**Author** Dempsey, J.X.

**Conference Title:** Proceedings of the Tenth Conference on Computers, Freedom and Privacy.

CFP2000: Challenging the Assumptions p. 101-6

**Publisher:** ACM, New York, NY, USA

**Publication Date:** 2000 **Country of Publication:** USA 352 pp.

**ISBN:** 1 58113 256 5 **Material Identity Number:** XX-2000-00778

**Conference Title:** Proceedings of 10th Conference on Computers, Freedom and Privacy

**Conference Sponsor:** ACM

**Conference Date:** 4-7 April 2000 **Conference Location:** Toronto, Ont., Canada

**Language:** English

**Subfile:** C

Copyright 2000, IEE

**Abstract:** ...supported by fingerprints. The states and the USA federal government also maintain separate DNA identification **databases**. Finally, there are **databases** of non-**personally identifiable information**, such as stolen property or ballistics data. In the USA, there are nearly 19000 state...

**Identifiers:** ...DNA identification **databases**;

**Astronomical Objects:**

Dialog eLink:

**USPTO Full Text Retrieval Options**

26/3,K/13 (Item 13 from file: 2)

DIALOG(R)File 2: INSPEC

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03143436 **INSPEC Abstract Number:** C83043389

**Title: Reliability of computerized versus manual death searches in a study of the health of Eldorado uranium workers**

**Author** Newcombe, H.B.; Smith, M.E.; Howe, G.R.; Mingay, J.; Strugnell, A.; Abbatt, J.D.

**Journal:** Computers in Biology and Medicine vol.13, no.3 p. 157-69

**Publication Date:** 1983 **Country of Publication:** UK

**CODEN:** CBMDAW **ISSN:** 0010-4825

**U.S. Copyright Clearance Center Code:** 0010-4825/83\$3.00+.00

**Language:** English

**Subfile:** C

**Abstract:** ...searches based on one-eighth of the worker file. The national death file-Canadian Mortality **Data Base**-at Statistics Canada includes coded causes of death for all deaths back to 1950. The... ...to the study population. In both approaches accuracy was strongly dependent on the amount of **personal identifying information** available on the records being linked.



## II. Inventor Search Results from Dialog

**Dialog eLink:** [Order File History](#)

25/3K/1 (Item 1 from file: 348)

DIALOG(R)File 348: EUROPEAN PATENTS

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01886563

### **IMPLEMENTATION AND USE OF A PII DATA ACCESS CONTROL FACILITY EMPLOYING PERSONALLY IDENTIFYING INFORMATION LABELS AND PURPOSE SERVING FUNCTION SETS**

IMPLEMENTIERUNG UND VERWENDUNG EINER PII-DATENZUGRIFFS-STEUEEREINRICHTUNG MIT PERSONLICH IDENTIFIZIERENDEN INFORMATIONEN-LABELS UND ZWECK-VERSORGUNGSFUNKTIONSMENGEN

IMPLANTATION ET UTILISATION D'UNE FONCTION DE CONTROLE D'ACCES A DES DONNEES D'IDENTIFICATION PERSONNELLE (PII) EMPLOYANT DES ETIQUETTES DE DONNEES D'IDENTIFICATION PERSONNELLE ET DES ENSEMBLES DE FONCTIONS ADAPTEES

IMPLEMENTATION AND USE OF A PII DATA ACCESS CONTROL FACILITY EMPLOYING PERSONALLY IDENTIFYING INFORMATION LABELS AND PURPOSE SERVING FUNCTION SETS  
IMPLEMENTIERUNG UND VERWENDUNG EINER PII-DATENZUGRIFFS-STEUEEREINRICHTUNG MIT PERSONLICH IDENTIFIZIERENDEN INFORMATIONEN-LABELS UND ZWECK-VERSORGUNGSFUNKTIONSMENGEN

... ET UTILISATION D'UNE FONCTION DE CONTROLE D'ACCES A DES DONNEES D'IDENTIFICATION PERSONNELLE (PII) EMPLOYANT DES ETIQUETTES DE DONNEES D'IDENTIFICATION PERSONNELLE ET DES ENSEMBLES DE FONCTIONS ADAPTEES

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	Country	Number	Kind	Date	
Patent	EP	1660967	A1	20060531	(Basic)
	WO	2005017720		20050224	
Application	EP	2004766505		20040816	
	WO	2004EP51803		20040816	
Priorities	US	643798		20030819	

**Designated States:**

AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;  
FI; FR; GB; GR; HU; IE; IT; LI; LU; MC;  
NL; PL; PT; RO; SE; SI; SK; TR;

**Extended Designated States:**

AL; HR; LT; LV; MK;

**International Patent Class (V7):** G06F-001/00

International Classification (Version 8) IPC	Level	Value	Position	Status	Version	Action	Source	Office
G06F-0001/00	A	I	F	B	19680901	20050228	H	EP

**NOTE:** No A-document published by EPO

Legal Status	Type	Pub. Date	Kind	Text
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**Language** Publication: English

Procedural: English

Application: English

Fulltext Availability	Available Text	Language	Update	Word Count
Total Word Count (Document A) 0				
Total Word Count (Document B) 0				
Total Word Count (All Documents) 0				

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25/3K/2 (Item 1 from file: 349)  
DIALOG(R)File 349: PCT FULLTEXT  
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01209285

**IMPLEMENTATION AND USE OF A PII DATA ACCESS CONTROL FACILITY EMPLOYING PERSONALLY IDENTIFYING INFORMATION LABELS AND PURPOSE SERVING FUNCTION SETS**

IMPLANTATION ET UTILISATION D'UNE FONCTION DE CONTROLE D'ACCES A DES DONNEES D'IDENTIFICATION PERSONNELLE (PII) EMPLOYANT DES ETIQUETTES DE DONNEES D'IDENTIFICATION PERSONNELLE ET DES ENSEMBLES DE FONCTIONS ADAPTEES  
**IMPLEMENTATION AND USE OF A PII DATA ACCESS CONTROL FACILITY EMPLOYING PERSONALLY IDENTIFYING INFORMATION LABELS AND PURPOSE SERVING FUNCTION SETS**  
... ET UTILISATION D'UNE FONCTION DE CONTROLE D'ACCES A DES DONNEES D'IDENTIFICATION PERSONNELLE (PII) EMPLOYANT DES ETIQUETTES DE DONNEES D'IDENTIFICATION PERSONNELLE ET DES ENSEMBLES DE FONCTIONS ADAPTEES

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**Patent Applicant/Inventor:**

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- **DAYKA John**  
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- **FARRELL Walter**  
35 Arnold Drive, Woodstock, New York 12498; US; US(Residence); US(Nationality); (Designated only for: US)
- **GUSKI Richard**  
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- **KARJOTH Guenter**  
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15 Old Mill Drive, Poughkeepsie, New York 12603; US; US(Residence); US(Nationality); (Designated only for: US)

- **PFITZMANN Birgit**  
Barenweidstrasse 23, CH-8833 Samstagern; CH; CH(Residence); DE(Nationality); (Designated only for: US)
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Zentralstr 150, CH-8003 Zurich; CH; CH(Residence); DE(Nationality); (Designated only for: US)
- **WAIDNER Michael**  
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- ...Designated only for: US)
- **WAIDNER Michael**

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IBM United Kingdom Limited, Intellectual Property Law, Hursley Park, Winchester Hampshire SO21 2JN; GB;

	Country	Number	Kind	Date
Patent	WO	200517720	A1	20050224
Application	WO	2004EP51803		20040816
Priorities	US	2003643798		20030819

**Designated States:** (All protection types applied unless otherwise stated - for applications 2004+)

AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG;  
BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU;  
CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI;  
GB; GD; GE; GH; GM; HR; HU; ID; IL; IN;  
IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR;  
LS; LT; LU; LV; MA; MD; MG; MK; MN; MW;  
MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL;  
PT; RO; RU; SC; SD; SE; SG; SK; SL; SY;  
TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ;  
VC; VN; YU; ZA; ZM; ZW;

[EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;  
FI; FR; GB; GR; HU; IE; IT; LU; MC; NL;  
PL; PT; RO; SE; SI; SK; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;  
ML; MR; NE; SN; TD; TG;

[AP] BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL;  
SZ; TZ; UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Language** Publication Language: English

Filing Language: English

Fulltext word count: 10990

### English Abstract:

A data access control facility is implemented by assigning **personally identifying information** (PII) classification labels to PH data objects, with each PH data object having one PII...

### French Abstract:

...accès à des données par l'attribution, à des objets de données d'identification personnelle (**PII**), d'étiquettes de classification **PII**, une étiquette de classification étant attribuée à chaque objet de données. De plus, la fonction de contrôle comprend au moins un ensemble de fonctions adaptées (PSFS) de **PII** qui comporte une liste de fonctions d'application permettant de lire et d'écrire des objets de données. Une étiquette de classification est également attribuée à chaque PSFS de **PII**. On accède à un objet de données de **PII** par l'intermédiaire d'une fonction d'application PSFS de **PII** comportant une étiquette de classification de **PII**, identique à celle de l'objet de **PII** ou dominant celle-ci. On attribue à l'utilisateur de la fonction de contrôle un ensemble d'habilitation de **PII** qui contient une liste comprenant au moins une étiquette de classification de **PII** servant à déterminer si l'utilisateur est autorisé à accéder à une fonction particulière.

### Detailed Description:

#### Description

IMPLEMENTATION AND USE OF A PH DATA ACCESS  
CONTROL FACILITY EMPLOYING **PERSONALLY  
IDENTIFYING INFORMATION** LABELS AND PURPOSE  
SERVING FUNCTION SETS

#### Technical Field

[0001] The present invention relates in general... ..the implementation and use of a conditional access facility which controls access by users to **personally identifying information** (PII) objects or resources-within an enterprise's computer system.

#### Background Art

[0021] Advances in... ..currently proposed to ensure the correct use of and therefore to control the release of **personally identifying information** from within an enterprise computing facility.

[0031] Traditionally, managing the security of a computer system... ..data objects. This method includes: assigning PII classification labels to PR data objects, wherein a **PII** data object has one PH classification label assigned thereto; defining at least one **PII** purpose serving function set (PSFS) comprising a set of application functions that read, write, or... ..of the PH classification label of the PIR data object.

[0081] In one embodiment, a **PII** data object is write accessible by an application function of a PH PSFS having a... ..be write accessible by an application function of a PR PSFS having a list of **PII** reclassifications which are allowed to that PII PSFS.

[009] In one embodiment, the method includes... ..a user invoking a particular function of the data access control facility, and assigning a **PII** clearance set to the identified user, wherein the **PII** clearance set comprises a list of one or more PR classification labels for the identified user.

[010] The **PII** classification label assigned to the **PII** data object may include an identification of an owner of the PII data object.

[011] ... ..data object may be used.

[012] The method may include the step of initially defining **PII** purposes within an enterprise to use the data access control facility, and employing the **PII** purposes in defining the **PIII** classification labels assigned to the **PH** data objects and assigned.... of a data access control facility, a particular function, the data access control facility having **personally identifying information** (**PIR**) classification labels assigned to **PR** data objects and to at least one **PII** purpose serving function set (**PSFS**), the **PSFS** including a list of application functions that read... the user of the data access control facility is assigned a **P11** clearance set, the **PII** clearance set for the user comprising a list containing at least one **PII** classification label; determining whether the particular function is defined to a **PR PSFS** of the... control facility, and if so, determining whether the user's **PR** clearance set includes a **PII** classification label matching the **P111** classification label assigned to that **PII PSFS**, and again if so, allowing access to the particular function; and determining whether the ... denying access to the particular function if the particular function is not defined to a **PII PSFS** of the data access control facility, and a current process label (**CPQ**) has been... for the established process exists, the data access control method may include determining whether the **PII** classification label of the selected data object is equal to or a proper subset of... the particular function is a write operation to the second **P11** data object. The second **PII** data object may have a different **PH** classification label than the **PH** classification label associated... accompanying drawings in which.

[0291] FIG. 1 depicts one example of an approach for storing **personally identifying information** (**PIR**) objects with **PII** classification labels assigned thereto for use by a data access control facility, in accordance with... invention; [0321] FIG. 4 is a flowchart of one embodiment of processing implemented by a **PII** data access control facility, in accordance with an aspect of the present invention; [0331] FIG.... the Invention [0371] Presented herein is a data access control facility which provides security for **personally identifying information** (**PII**). In accordance with this facility, access to **P111** information is based on various... thereby adding flexibility to and enhancing the security of information processes that require access to **personally identifying information**.

[0391] Broadly stated, disclosed herein (in one aspect) is a technique for implementing a data access control facility, which includes: assigning **personally identifying information** (**PII**) classification labels to **PH** objects, with each **PR** object having one **P11** classification label... the original owner and specified in the **PII** classification label. The purposes for which the **PII** object may be used are embodied within the functions that the user is allowed to... process.

[045] **PH Data Objects.**

[0461] Any resource, document, program, facility, etc. with an associated **PII** classification label. A given **PIII** object can have only one **PH** classification label. The owner ... reclassifications that are allowed during its execution.

[0781] FIG. 1 depicts one example of a **personally identifying information** (**PH**) owner 10 (such as a patient in a hospital enterprise example) entering (or accessing... locally connected, for example, an employee. The operating system platform security manager which embodies the **PII** data access control facility that is the subject of this invention, is invoked by the... the security manager to determine whether the requesting user is permitted access to the desired **PII** object. The security manager renders a decision based, for example, on the **PII** label associated with the requested object, the **PR** label associated with the user, and other... occurs from within this process, to assure that **PH** data is only written to other **PII** labeled data objects that have labels with identical or fewer purposes, or that **PII** data reclassification is allowed using this **PSFS** with this particular combination of **PR** data that... label that is not defined within the user's **PH** clearance set and thereby access **PII** objects outside of the scope of the user's **P111** clearance set. For example, user... accordance with an aspect of the present invention. Referring to FIG. 4, use of a **PII** control facility begins with a user making a request to a transaction manager 50, to... system platform or logically connected to it, is a data access control facility implementing the **personally identifying information** (**PIU**) concepts disclosed herein. One example of logic for processing the

user's attempt to... ..a non-PH protected object from a computer operating system process after having read a **PII** protected object(s) into that process in not allowed.

[0871 Assuming that the object does... ..122. If so, processing proceeds 124 to FIG. 4C. Otherwise, access is denied by the **PII** label processing 134 since the selected object has a PR label and the user is... ..controlled process and the user being allowed to write non-PII data into an existing **PII** data object. If 150 yes, then the determination is made 152 whether the label of... ..then processing returns 154 to FIG. 4B with the user being denied access to the **PII** data object. If 153 yes, then processing continues 151 with a return to FIG. 4B... ..particular operational sequence that meets the business needs of an enterprise when working with sensitive **personally identifying information (PII)** objects. Such pre-established and controlled sets of functions and the associated sequence of operation... ..with the present invention allows a user (or computer process) access to different sets of **PII** classified information and functions according to the dynamics of an access event situation, thereby adding flexibility to and enhancing security of information processes that require access to **PII** objects.

[119] The present invention can be included in an article of manufacture (e.g.,

#### Claims:

[001] A method of implementing a data access control facility, said method comprising: assigning **personally identifying information (PII)** classification labels to **PII** data objects, wherein a **PII** data object has one PR classification label assigned thereto; defining at least one PH Purpose ... ..write PII data objects; and assigning a PIT classification label to each PSFS, wherein a **PII** data object is only read accessible via an application function of a PIIF PSFS having... ..that is equal to or a proper subset of the PII classification label of the **PII** data object.

[002] . The method of claim 1, wherein a PH data object is write... ..of a data access control facility, a particular function, said data access control facility having **personally identifying information (PII)** classification labels assigned to PIT data objects and at least one PH purpose serving function... ..list of application functions that read, write or reclassify PH data objects, and having a **PII** classification label assigned thereto, and wherein the user of the data access control facility has... ..A system for implementing a data access control facility, said system comprising: means for assigning **personally identifying information (PR)** classification labels to **PII** data objects, wherein a **PII** data object has one PIEI classification label assigned thereto; means for defining at least one... ..purpose serving function set (PSFS) comprising a Est of application functions that read or write **PII** data objects; and means for assigning a PR classification label to each PSFS, wherein a... ..of a data access control facility, a particular function, said data access control facility having **personally identifying information (PII)** classification labels assigned to PIEI data objects and at least one PIEI purpose serving function... ..to perform a method of implementing a data access control facility, said method comprising: assigning **personally identifying information (PR)** classification labels to PH data objects, wherein a PH data object has one PH... ..of a data access control facility, a particular function, said data access control facility having **personally identifying information (PII)** classification labels assigned to PR data objects and at least one PIIF purpose serving... ..list of application functions that read, write or reclassify PIJ data objects, and having a **PII** classification label assigned thereto, and wherein the user of the data access control facility has... ..clearance set, the PR clearance set for the user comprising alist containing at least one **PII** classification label; (ii) determining whether the particular function is defined to a PH PSFS of ...

**Dialog eLink:** [Order File History](#)  
25/3K/3 (Item 2 from file: 349)  
DIALOG(R)File 349: PCT FULLTEXT

01135938

**2-(1H-INDAZOL-6-YLAMINO)-BENZAMIDE COMPOUNDS AS PROTEIN KINASES INHIBITORS  
USEFUL FOR THE TREATMENT OF OPHTHALMIC DISEASES**

COMPOSES DE 2-(1H-INDAZOL-6-YLAMINO)-BENZAMIDES EN TANT QU'INHIBITEURS DE  
PROTEINES KINASES UTILES POUR LE TRAITEMENT DE MALADIES OPHTALMIQUES

**Patent Applicant/Patent Assignee:**

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**Patent Applicant/Inventor:**

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- **PALMER Cynthia Louise**  
Agouron Pharmaceuticals Inc., 10777 Science Center Drive, San Diego, CA 92121; US; US(Residence); US(Nationality); (Designated only for: US)
- ...Designated only for: US)
- **PALMER Cynthia Louise...**

**Legal Representative:**

- **LUMB J Trevor(et al)(agent)**  
Pfizer Inc., c/o Jackie Lawrence, Eastern Point Road MS8260-1615, Groton, CT 06340; US;

	Country	Number	Kind	Date
Patent	WO	200456806	A1	20040708
Application	WO	2003IB5854		20031208
Priorities	US	2002434902		20021219

**Designated States:** (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG,  
BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ,  
DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB,  
GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,  
JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,  
LT, LU, LV, MA, MD, MG, MK, MN, MW, MX,  
MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO,  
RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,



TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN,  
YU, ZA, ZM, ZW

[EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;  
FI; FR; GB; GR; HU; IE; IT; LU; MC; NL;  
PT; RO; SE; SI; SK; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;  
ML; MR; NE; SN; TD; TG;

[AP] BW; GH; GM; KE; LS; MW; MZ; SD; SL; SZ;  
TZ; UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Language** Publication Language: English

Filing Language: English

Fulltext word count: 38160

#### Detailed Description:

...of the retinal vascular in rats occurs from postnatal day 1 to postnatal day 14 (PII-P14). This process is dependent on the activity of VEGIF (J. Stone, 5 et al...

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25/3,K/4 (Item 1 from file: 350)

DIAL.OG(R)File 350: Derwent WPIX

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0018763515 & *Drawing available*

WPI Acc no: 2009-F35448/200917

**Computer application system's meta-tagged data objects and list of terms association providing method, involves creating association between system data object and terms to which meta-tag is mapped**

Patent Assignee: INT BUSINESS MACHINES CORP (IBM)

Inventor: BRODIE C; **BROWN N**; KARAT C; KARAT J; MALKIN P

Patent Family ( 1 patents, 1 & countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20090055887	A1	20090226	US 2007841274	A	20070820	200917	B

Priority Applications (no., kind, date): US 2007841274 A 20070820

Patent Details					
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 20090055887	A1	EN	13	6	

**Original Titles:**PRIVACY ONTOLOGY FOR IDENTIFYING AND CLASSIFYING **PERSONALLY IDENTIFIABLE INFORMATION** AND A RELATED GUI ...Inventor: **BROWN N** Alerting Abstract ...to navigate data objects in the computer application system using ontology to identify and classify **personally identifiable information**. Original Publication Data by AuthorityArgentina**Publication No.** ...Inventor name & address:**Brown, Nigel**

**Dialog eLink:** [Order File History](#)  
 25/3,K/5 (Item 2 from file: 350)  
 DIAL.OG(R)File 350: Derwent WPIX  
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0018758983 & *Drawing available*  
 WPI Acc no: 2009-F28690/200917

**System's meta tagged data objects and terms association providing system for use in user interface system, has processor for creating association between system data object and terms, and data store storing association**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: BRODIE C; **BROWN N**; KARAT C; KARAT J; MALKIN P

Patent Family ( 1 patents, 1 & countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20090055431	A1	20090226	US 2007841298	A	20070820	200917	B

Priority Applications (no., kind, date): US 2007841298 A 20070820

Patent Details					
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 20090055431	A1	EN	13	6	

**Original Titles:**PRIVACY ONTOLOGY FOR IDENTIFYING AND CLASSIFYING **PERSONALLY IDENTIFIABLE INFORMATION** AND A RELATED GUI ...Inventor: **BROWN N** Original Publication Data by AuthorityArgentina**Publication No.** ...Inventor name & address:**Brown, Nigel**

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 25/3,K/6 (Item 3 from file: 350)  
 DIAL.OG(R)File 350: Derwent WPIX  
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0014848441 & *Drawing available*  
 WPI Acc no: 2005-196143/200520  
 XRPX Acc No: N2005-161947

**Data access control facility implementing method used in enterprise environment, involves assigning label to personal identifying information-function set, that is equal to or subset of label of corresponding data**

**object**

Patent Assignee: IBM UK LTD (IBMC); INT BUSINESS MACHINES CORP (IBMC); IBM CORP (IBMC)  
 Inventor: BETZ L; DAYKA J; DAYKA J C; FARRELL W; FARRELL W B; GUSKI R; GUSKI R H;  
 KARJOTH G; NELSON M; NELSON M A; PFITZMANN B; PFITZMANN B M; SCHUNTER M; WAIDNER  
 M; WAIDNER M P; SCHENTER M

Patent Family ( 8 patents, 107 & countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 2005017720	A1	20050224	WO 2004EP51803	A	20040816	200520	B
US 20050044409	A1	20050224	US 2003643798	A	20030819	200520	E
EP 1660967	A1	20060531	EP 2004766505	A	20040816	200636	E
			WO 2004EP51803	A	20040816		
KR 2006061820	A	20060608	WO 2004EP51803	A	20040816	200674	E
			KR 2006702726	A	20060208		
CN 1836195	A	20060920	CN 200480023664	A	20040816	200706	E
JP 2007503035	W	20070215	WO 2004EP51803	A	20040816	200715	E
			JP 2006523632	A	20040816		
US 20070250913	A1	20071025	US 2003643798	A	20030819	200771	E
			US 2007764487	A	20070618		
US 7302569	B2	20071127	US 2003643798	A	20030819	200780	E

Priority Applications (no., kind, date): US 2003643798 A 20030819; US 2007764487 A 20070618

US 20070250913	A1	EN			Contributions of application	US 2003643798
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
WO 2005017720	A1	EN	35	4		
National Designated States,Original	AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW					
Regional Designated States,Original	AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW					
EP 1660967	A1	EN			PCT Application	WO 2004EP51803
					Based on OPI patent	WO 2005017720
Regional Designated States,Original	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR					
KR 2006061820	A	KO			PCT Application	WO 2004EP51803
					Based on OPI patent	WO 2005017720
JP 2007503035	W	JA	27		PCT Application	WO 2004EP51803
					Based on OPI patent	WO 2005017720

Data access control facility implementing method used in enterprise environment, involves assigning label to personally identifying information-function set, that is equal to or subset of label of corresponding data object

**Original Titles:**IMPLEMENTIERUNG UND VERWENDUNG EINER PII -DATENZUGRIFFS-  
STEUEREINRICHTUNG MIT PERSONLICH IDENTIFIZIERENDEN INFORMATIONEN-LABELS UND  
ZWECK-VERSORGUNGSFUNKTIONSMENGEN.... ..IMPLEMENTATION AND USE OF A PII DATA  
ACCESS CONTROL FACILITY EMPLOYING PERSONALLY IDENTIFYING INFORMATION  
LABELS AND PURPOSE SERVING FUNCTION SETS.... ..ET UTILISATION D'UNE FONCTION DE  
CONTROLE D'ACCES A DES DONNEES D'IDENTIFICATION PERSONNELLE (PII) EMPLOYANT DES  
ETIQUETTES DE DONNEES D'IDENTIFICATION PERSONNELLE ET DES ENSEMBLES DE  
FONCTIONS ADAPTEES ... ..Implementation and use of a PII data access control facility employing  
personally identifying information labels and purpose serving functions sets.... ..IMPLEMENTATION AND  
USE OF PII DATA ACCESS CONTROL FACILITY EMPLOYING PERSONALLY IDENTIFYING  
INFORMATION LABELS AND PURPOSE SERVING FUNCTION SETS.... ..Implementation and use of a PII  
data access control facility employing personally identifying information labels and purpose serving functions  
sets.... ..IMPLEMENTATION AND USE OF A PII DATA ACCESS CONTROL FACILITY EMPLOYING  
PERSONALLY IDENTIFYING INFORMATION LABELS AND PURPOSE SERVING FUNCTION  
SETS.... ..ET UTILISATION D'UNE FONCTION DE CONTROLE D'ACCES A DES DONNEES  
D'IDENTIFICATION PERSONNELLE (PII) EMPLOYANT DES ETIQUETTES DE DONNEES  
D'IDENTIFICATION PERSONNELLE ET DES ENSEMBLES DE FONCTIONS ADAPTEES ...Inventor:  
WAIDNER M.... ..WAIDNER M P Alerting Abstract ...NOVELTY - The personally identifying information  
( PII) classification labels are assigned to respective PII data objects. A PII purpose serving function set (PSFS)  
comprising list of application functions to read/write PII data objects, is defined. A classification label is assigned  
to each PSFS such that the label is equal to or proper subset of label of PII data object. ... ADVANTAGE -  
Allows access to different sets of PII classified objects and functions according to dynamics of access event  
situation, thereby enhancing flexibility and security of information process that required access to PII data  
object.... .. DESCRIPTION OF DRAWINGS - The figure shows the block diagram of the enterprise computing  
environment implementing PII data access control facility.Original Publication Data by  
AuthorityArgentinaPublication No. ...Inventor name & address:WAIDNER M.... ..WAIDNER, Michael...  
...WAIDNER M.... ..Waidner, Michael P... ..Waidner, Michael P... ..Waidner, Michael P... ..WAIDNER,  
Michael Original Abstracts:A data access control facility is implemented by assigning personally identifying  
information (PII) classification labels to PH data objects, with each PH data object having one PH.... ..A data  
access control facility is implemented by assigning personally identifying information (PII) classification labels  
to PII data objects, with each PII data object having one PII classification label assigned thereto. The control  
facility further includes at least one PII purpose serving function set (PSFS) comprising a list of application  
functions that read or write PII data objects. Each PII PSFS is also assigned a PII classification label. A PII data  
object is accessible via an application function of a PII PSFS having a PII classification label that is identical to  
or dominant of the PII classification label of the PII object. A user of the control facility is assigned a PII  
clearance set which contains a list of at least one PII classification label, which is employed in determining  
whether the user is entitled to access a.... ..A data access control facility is implemented by assigning personally  
identifying information (PII) classification labels to PII data objects, with each PII data object having one PII  
classification label assigned thereto. The control facility further includes at least one PII purpose serving function  
set (PSFS) comprising a list of application functions that read or write PII data objects. Each PII PSFS is also  
assigned a PII classification label. A PII data object is accessible via an application function of a PII PSFS  
having a PII classification label that is identical to or dominant of the PII classification label of the PII object. A  
user of the control facility is assigned a PII clearance set which contains a list of at least one PII classification  
label, which is employed in determining whether the user is entitled to access a.... ..A data access control facility  
is implemented by assigning personally identifying information (PII) classification labels to PII data objects,

with each **PII** data object having one **PII** classification label assigned thereto. The control facility further includes

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25/3,K/7 (Item 4 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0013267425 & < Drawing available

WPI Acc no: 2003-353237/200333

XRFX Acc No: N2003-282157

**Personally identifiable information handling method for computer system, involves creating and associating programming object containing policy rule, with personally identifiable information**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: **ADLER S B**; BANGERTER E F; **BROWN N H J**; CAMENISCH J; **GILBERT A M**;

HERREWEGHEN E V; KARJOTH G; KESDOGAN D; MCCULLOUGH M R; NELSON A C; **PALMER C C**;

PRESLER-MARSHALL M J C; **SCHNYDER M**; **Waidner M**; PRESLER-MARSHALL M J

Patent Family ( 2 patents, 1 & countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20030014654	A1	20030116	US 2001884153	A	20010619	200333	B
US 7069427	B2	20060627	US 2001884153	A	20010619	200643	E

Priority Applications (no., kind, date): US 2001884153 A 20010619

Patent Details					
Patent Number	Kind	Lang	Pgs	Draw	Filing Notes
US 20030014654	A1	EN	40	14	

**Personally identifiable information handling method for computer system, involves creating and associating programming object containing policy rule, with personally identifiable information**

**Titles:**Using a rules model to improve handling of personally identifiable information ... Using a rules model

to improve handling of personally identifiable information Inventor: **ADLER S B**... **BROWN N H J**...

...**GILBERT A M**... **PALMER C C**... **SCHNYDER M**... **Waidner M** Alerting Abstract ...**NOVELTY**

- A policy rule allowing privacy related actions on personally identifiable information data is constructed. An input of dynamic contextual information is allowed to precisely specify the... evaluation of rule. A programming object containing the rule is created and associated with the personally identifiable information. ... personally identifiable information handling system; and computer-usable medium storing personally identifiable information handling program. ... USE - For handling personally identifiable information using computer system such as personal computer, server, workstation, embedded system, etc., by person or organization engaged in commerce, medicine, science... ADVANTAGE - Provides an enhanced method which improves the handling of personally identifiable information efficiently... DESCRIPTION OF DRAWINGS - The figure shows a block diagram of the personally identifiable information handling system. Original Publication Data by Authority/ArgentinaPublication No. Inventor name & address: **Adler, Steven B**... **Brown, Nigel Howard Julian**... **Gilbert, Arthur M**... **Palmer, Charles Campbell**... **Schnyder, Michael**... **Waidner, Michael**... **Adler, Steven B**... **Brown, Nigel Howard Julian**... **Gilbert, Arthur M**... **Palmer, Charles Campbell**... **Schnyder, Michael**... **Waidner, Michael** Original Abstracts: The present invention is a system and method for handling personally identifiable information, using a rules model. The invention involves defining a limited

number of privacy-related actions regarding **personally identifiable information**; constructing a **rule** for each circumstance in which one of said privacy-related actions may be taken or must... .. a programming object containing at least one of said rules; associating the programming object with **personally identifiable information**; processing a **request**; and providing an output. The invention does not merely give a "yes-or-no answer. The... .. computer system and network. One aspect of the present invention is a method for handling **personally identifiable information**. Another **aspect of the present invention** is a system for executing the method of the present invention. A third... .. The present invention is a system and method for handling **personally identifiable information**, using a rules model. The invention **involves defining** a limited number of privacy-related actions regarding **personally identifiable information**; constructing a rule for each circumstance in which **one of said privacy-related actions** may be taken or must be taken; allowing for the... .. a programming object containing at least one of said rules; associating the programming object with **personally identifiable information**; processing a request; and providing an **output**. The invention does not merely give a "yes-or-no answer. The invention has the advantage of... .. computer system and network. One aspect of the present invention is a method for handling **personally identifiable information**. Another aspect of the present invention is a **system** for executing the method of the present invention. A third aspect of the present invention...

**Claims:**We claim:1. A method of handling **personally identifiable information**, said method comprising:defining a limited **number of privacy-related actions** regarding said **personally identifiable information**;constructing a rule for each circumstance in which **one of said privacy-related actions** may be taken or must be taken;allowing for the input of... .. programming object containing at least one of said rules;associating said programming object with said **personally identifiable information**;processing a request; andproviding an output..... We claim:1. A method of handling **personally identifiable information**, said method comprising: defining a limited number of privacy-related actions regarding said **personally identifiable information**;constructing a rule for each of said privacy-related actions, wherein each rule defines an **action corresponding to** an associated privacy-related action, a logical condition that identifies a condition under which a **particular decision** is generated, and a decision indicating a manner by which said associated privacy-related action is... .. rules comprises at least one of said constructed rules;associating said programming object with said **personally identifiable information**;processing a request using the programming object containing said set of rules, wherein processing said... .. at least one rule having an action corresponding to an action specified in the request, a **condition that** evaluates to "true," and a decision that indicates that the action is authorized;selecting a

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DIAL.OG(R)File 350: Derwent WPIX

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0013245380 & & Drawing available

WPI Acc no: 2003-330571/200331

XRPX Acc No: N2003-264676

**Personally identifiable information handling method for commercial organization, involves establishing privacy agreement, using limited privacy-related actions and expressing rules regarding privacy-related actions**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: ADLER S B; GILBERT A M; JULIAN BROWN N H; PALMER C C; SCHNYDER M; WAIDNER M

Patent Family ( 1 patents, 1 & countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20030014418	A1	20030116	US 2001884296	A	20010619	200331	B

Priority Applications (no., kind, date): US 2001884296 A 20010619

Patent Details					
Patent Number	Kind	Lang	Pgs	Draw	Filing Notes
US 20030014418	A1	EN	16	7	

**Personally identifiable information handling method for commercial organization, involves establishing privacy agreement, using limited privacy-related actions and...** **Original Titles:** Using a privacy agreement framework to improve handling of **personally identifiable information** Inventor: **ADLER S B...** **GILBERT A M...** **PALMER C C...** **SCHNYDER M...** **WAIDNER M** **Alerting Abstract ... personally identifiable information handling system;** and computer readable medium storing instructions for personal identified information handling method... **DESCRIPTION OF DRAWINGS** - The figure shows the **personally identifiable information handling system.** Original Publication Data by Authority **Argentina** **Publication No.** Inventor name & address: **Adler, Steven B...** **Gilbert, Arthur M...** **Palmer, Charles Campbell...** **Schnyder, Michael...** **Waidner, Michael** **Original Abstracts:** The invention entails identifying the parties involved in a process of handling **personally identifiable information**; identifying the data involved in said process; classifying the data; expressing each relationship between each pair of said parties... **repersonalize.** One aspect of the present invention is a method for improving the handling of **personally identifiable information.** Another aspect of the present invention is a system for executing the method of the present invention. A third... **Claims:** We claim: 1. A method for improving the handling of **personally identifiable information**, said method comprising: identifying the parties involved in a process of handling **personally identifiable information**; identifying the data involved in said process; classifying the data; expressing each relationship between each pair of said parties in terms of a privacy agreement; and... diagrams, wherein: said privacy agreement uses a limited number of privacy-related actions concerning said **personally identifiable information**; said privacy agreement expresses rules regarding said privacy-related actions, for each of said parties; and said privacy agreement is **specific to a single purpose.**

**Dialog eLink:** [Order File History](#)

25/3,K/9 (Item 6 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0013138438

WPI Acc no: 2003-220717/200321

XRXP Acc No: N2003-176131

**Personal information handling method for manufacturing products, involves providing two sets of object classes representing active entities, data and rules in computer for handling personal information**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: **ADLER S B**; **BANGERTER E F**; **BOHRER K A**; **CAMENISCH J**; **GILBERT A M**; **HERREWEGHEN E V**; **JULIAN BROWN N H**; **KESDOGAN D**; **LEONARD M P**; **LIU X**; **MCCULLOUGH M R**; **NELSON A C**; **PALMER C C**; **POWERS C S**; **SCHNYDER M**; **SCHONBERG E**; **SCHUNTER M**; **WAIDNER M**

Patent Family ( 1 patents, 1 & countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20030004734	A1	20030102	US 2001884311	A	20010619	200321	B

Priority Applications (no., kind, date): US 2001884311 A 20010619

Patent Details					
Patent Number	Kind	Lang	Pgs	Draw	Filing Notes
US 20030004734	A1	EN	24	13	

**Original Titles:**Using an object model to improve handling of **personally identifiable information** Inventor:

**ADLER S B...** **GILBERT A M...** **PALMER C C...** **SCHNYDER M...** **WAIDNER M** **Alerting**

**Abstract** ...set of object classes representing data and rules in information handling is provided in computer.

**Personally identifiable information** handling transaction is performed using computer provided with object

classes. Original Publication Data by AuthorityArgentina**Publication No.** Inventor name & address:**Adler,**

**Steven B...** **Gilbert, Arthur M...** **Palmer, Charles Campbell...** **Schnyder, Michael...** **Waidner, Michael**

**...Original Abstracts:**process could be improved. One aspect of the present invention is a method for handling

**personally identifiable information.** Another **aspect of the** present invention is a system for executing the

method of the present invention. A third... **Claims:** We claim: 1. A method for handling **personally identifiable**

**information,** said method comprising: providing in a **computer a first** set of object classes representing active

entities in an information-handling process, wherein a limited... one object class has said rules associated with

said data; and handling transactions involving said **personally identifiable information,** using said computer and

said object classes.



### III. Patent Files from Dialog

File 324:GERMAN PATENTS FULLTEXT 1967-200915

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File 348:EUROPEAN PATENTS 1978-200915

(c) 2009 European Patent Office

File 349:PCT FULLTEXT 1979-2009/UB=20090402IUT=20090326

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File 344:Chinese Patents Abs Jan 1985-2006/Jan

(c) 2006 European Patent Office

File 347:JAPIO Dec 1976-2008/Oct(Updated 090220)

(c) 2009 JPO & JAPIO

File 350:Derwent WPIX 1963-2009/UD=200919

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File 371:French Patents 1961-2002/BOPI 200209

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? ds

Set	Items	Description
S1	4462	(PERSONAL OR PERSONALLY)() (IDENTIFIABLE OR IDENTIFYING)() INFORMATION OR PII
S2	345	INFORMATION()PRIVACY
S3	84	(S1 OR S2)(5N)(SAFEGUARD? OR PROTECT OR PROTECTS OR PROTECTING OR PROTECTION)
S4	11	(S1 OR S2)(5N)(CLASSIFY??? OR CLASSIFICATION?)
S5	74587	(REDUCE OR REDUCES OR REDUCTION? OR PREVENT???) (5N)RISK??
S6	848	(REDUCE OR REDUCES OR REDUCTION? OR PREVENT???) (5N)BREACH?
S7	28	PRIVACY()AGREEMENT?
S8	171	(POLICY()RULE??) (5N)(ASSOCIATED OR APPLIED OR EMBED?)
S9	171	RULES()MODEL??
S10	14320705	AUTHORIZ??? OR AUTHORIS??? OR ACCESS OR USAGE OR USE OR APPROVAL? OR VALID? OR INVALID? OR TRUE
S11	3	DYNAMIC()CONTEXTUAL()INFORMATION
S12	4889507	GRAPHIC??? OR GRAPHICAL()REPRESENTATION? OR DIAGRAM?? OR IMAGE??
S13	725020	DB OR DATABASE? OR DATAFILE? OR DATA() (FILE?? OR BASE??)
S14	1764	AU=(ADLER, S? OR ADLER S? OR BROWN, N? OR BROWN N? OR JULIAN()BROWN, N? OR JULIAN()BROWN, N? OR GILBERT, A? OR GILBERT - A? OR PALMER, C? OR PALMER C? OR SCHNYDER, M? OR SCHNYDER M? - OR Waidner, M? OR Waidner M? OR STEVEN(2N)ADLER OR NIGEL(2N)BROWN OR CHARLES(2N)PALMER OR MICHAEL(2N)SCHNYDER OR MICHAEL(2N)Waidner)
S15	95	S3:S4
S16	75433	S15 OR (S5 OR S6)
S17	0	S16(30N)S8
S18	12893	S16(30N)(S9:S11)

S19 140 S18(30N)S12  
 S20 4 S19(30N)S13  
 S21 14 S16 AND (S8 OR S9)  
 S22 14 S21 AND S12  
 S23 14 S22 NOT S20  
 S24 0 S23 NOT DIAGRAM?  
 S25 9 S14 AND S1

?

**Dialog eLink:** [Order File History](#)

20/3K/1 (Item 1 from file: 349)

DIALOG(R)File 349: PCT FULLTEXT

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01537571

**GENIUS ADAPTIVE DESIGN**  
 MODELE D'ADAPTATION AU GENIE

**Patent Applicant/Inventor:**

- **CABINALLA Linda**  
 1145 Delaware St, Fairfield, CA 94533; US; US (Residence); US (Nationality); (Designated for all)

	Country	Number	Kind	Date
Patent	WO	200781519	A2	20070719
Application	WO	2006US48704		20061219
Priorities	US	200575291		20051230
	US	2006756607		20060105
	US	2006778313		20060301
	US	2006783018		20060315
	US	2006786906		20060328
	US	2006852794		20061018

**Designated States:** (All protection types applied unless otherwise stated - for applications 2004+)

AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG;  
 BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU;  
 CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI;  
 GB; GD; GE; GH; GM; GT; HN; HR; HU; ID;  
 IL; IN; IS; JP; KE; KG; KM; KN; KP; KR;  
 KZ; LA; LC; LK; LR; LS; LT; LU; LV; LY;  
 MA; MD; MG; MK; MN; MW; MX; MY; MZ; NA;

NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO;  
RS; RU; SC; SD; SE; SG; SK; SL; SM; SV;  
SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US;  
UZ; VC; VN; ZA; ZM; ZW;

[EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;  
FI; FR; GB; GR; HU; IE; IS; IT; LT; LU;  
LV; MC; NL; PL; PT; RO; SE; SI; SK; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;  
ML; MR; NE; SN; TD; TG;

[AP] BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL;  
SZ; TZ; UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Language** Publication Language: English

Filing Language: English

Fulltext word count: 520275

#### Detailed Description:

...2] "Questionnaire". "HINT" = Hints to accessor that their behavior might need alteration to get / maintain **access**. "Prompts" suggests: alternative files, W5 for behavioral functions. "Morning alarm"; when user stalls "MOOD" = Accessor...better, intern user is better able to (intuitively) psych themselves up in the desirable manner. **Use** with sporting equipment. Portable version with wireless transmission. Also can develop **database** of user's physical profile. Notes for D2 **Diagram**'s above parts: This focuses primarily on the type of behavior **access**-ba= analyzes= accessor as exhibiting (in response to any stimuli= created by sys). The person.... ..challenging / uip-tailored to user's needs or situation. "GENERATE PASSWORDS" = System(s) generates password / **access** instructions / type hints. See "Change Passwords"-.sys studies uip-**db** / behavior (ba) and gives password more readily remembered and difficult for others to guess.-examples: "maneuver": "route" u walks from their private office to **access** point must be redrawn by u to gain **access**: a) from' location can change, hence System(s) "tracks" u (where ever they're (in...

**Dialog eLink:** [Order File History](#)

20/3K/2 (Item 2 from file: 349)

DIALOG(R)File 349: PCT FULLTEXT

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01396644

**SYSTEMS, METHODS, AND SOFTWARE FOR DISTRIBUTED LOADING OF DATABASES**  
**SYSTEMES, PROCEDES ET LOGICIEL POUR CHARGER DES BASES DE DONNEES DE MANIERE REPARTIE**

**Patent Applicant/Patent Assignee:**

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 Landis + Gyr-str. 3, CH-6300 Zug; CH; CH (Residence); IE (Nationality); (For all designated states except: US)

**Patent Applicant/Inventor:**

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- **VERREAUX Jon**  
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**Legal Representative:**

- **CLISE Timothy B et al(agent)**  
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	Country	Number	Kind	Date
Patent	WO	200678502	A2-A3	20060727
Application	WO	2006US747		20060109
Priorities	US	2005642351		20050107

**Designated States:** (All protection types applied unless otherwise stated - for applications 2004+)

AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG;  
 BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU;  
 CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI;  
 GB; GD; GE; GH; GM; HR; HU; ID; IL; IN;  
 IS; JP; KE; KG; KM; KN; KP; KR; KZ; LC;  
 LK; LR; LS; LT; LU; LV; LY; MA; MD; MG;  
 MK; MN; MW; MX; MZ; NA; NG; NI; NO; NZ;  
 OM; PG; PH; PL; PT; RO; RU; SC; SD; SE;  
 SG; SK; SL; SM; SY; TJ; TM; TN; TR; TT;  
 TZ; UA; UG; US; UZ; VC; VN; YU; ZA; ZM;  
 ZW;

[EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;  
 FI; FR; GB; GR; HU; IE; IS; IT; LT; LU;  
 LV; MC; NL; PL; PT; RO; SE; SI; SK; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;  
 ML; MR; NE; SN; TD; TG;

[AP] BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL;  
SZ; TZ; UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Language** Publication Language: English

Filing Language: English

Fulltext word count: 3975

**Detailed Description:**

...includes its own set of load monitors that includes its own respective shared directory.)

Primary **database** 130 and secondary **database** 140 are redundant or mirror-**image databases**. In some embodiments they are maintained at separate sites to **reduce risk** of catastrophic failure. Although not shown in the Figure, users or subscriber **access** primary **database** 130 using a client device, such as personal computer over a local or wide-area...

**Dialog eLink:** [Order File History](#)

20/3K/3 (Item 3 from file: 349)

DIALOG(R)File 349: PCT FULLTEXT

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01386909

**PHOTOFINISHING SYSTEM AND METHOD USING DATA FRAMES FOR ACCESSING DATABASE**  
SYSTEME ET PROCEDE DE PHOTOFACONNAGE UTILISANT DES TRAMES DE DONNEES POUR ACCEDER A  
UNE BASE DE DONNEES

**Patent Applicant/Patent Assignee:**

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**Patent Applicant/Inventor:**

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**Legal Representative:**

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	Country	Number	Kind	Date
Patent	WO	200669283	A1	20060629
Application	WO	2005US46698		20051222
Priorities	US	200422154		20041222

**Designated States:** (All protection types applied unless otherwise stated - for applications 2004+)

AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG;  
BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU;  
CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI;  
GB; GD; GE; GH; GM; HR; HU; ID; IL; IN;  
IS; JP; KE; KG; KM; KN; KP; KR; KZ; LC;  
LK; LR; LS; LT; LU; LV; LY; MA; MD; MG;  
MK; MN; MW; MX; MZ; NA; NG; NI; NO; NZ;  
OM; PG; PH; PL; PT; RO; RU; SC; SD; SE;  
SG; SK; SL; SM; SY; TJ; TM; TN; TR; TT;  
TZ; UA; UG; US; UZ; VC; VN; YU; ZA; ZM;  
ZW;

[EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;  
FI; FR; GB; GR; HU; IE; IS; IT; LT; LU;  
LV; MC; NL; PL; PT; RO; SE; SI; SK; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;  
ML; MR; NE; SN; TD; TG;

[AP] BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL;  
SZ; TZ; UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Language** Publication Language: English

Filing Language: English

Fulltext word count: 7941

**Detailed Description:**

...data frame. The control unit can also detect the presence of a data frame by use of a shape recognition algorithm, as discussed below.

The system provides the advantage that the **database access** information is provided to the user in a manner that greatly **reduces** the **risk** of loss of that information or dissociation from the printed **images** or other output to which it relates. The **database access** information is provided on a final **image** that is treated like the rest of the final **images**. With printed **images**, the **database** access information appears in one of the prints and/or on the same index print ...

**Dialog eLink:** Order File History

20/3K/4 (Item 4 from file: 349)

DIALOG(R)File 349: PCT FULLTEXT

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00885047

**TEMPORARY DIRECTORY MANAGEMENT**  
**GESTION DE REPERTOIRE TEMPORAIRE**

**Patent Applicant/Patent Assignee:**

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- **IBM UNITED KINGDOM LIMITED**  
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**Inventor(s):**

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**Legal Representative:**

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	Country	Number	Kind	Date
Patent	WO	200219161	A2-A3	20020307
Application	WO	2001GB3543		20010806
Priorities	US	2000651184		20000830

**Designated States:** (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG,  
BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ,  
DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD,  
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,  
KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,  
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,  
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,  
SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ,  
VN, YU, ZA, ZW

[**EP**] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;  
GR; IE; IT; LU; MC; NL; PT; SE; TR;

[**OA**] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;  
ML; MR; NE; SN; TD; TG;

[**AP**] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;  
UG; ZW;

[**EA**] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Language** Publication Language: English

Filing Language: English

Fulltext word count: 5268

**Detailed Description:**

...interface module 208 will are not deleted by intervention of the clean module 222. This **reduces** the **risk** of accidental deletion by the clean module 222.

Referring to Figure 4, a flow **diagram** 400 incorporates one embodiment of a method of **use** of the system 200 of Figure 2. In step 402, the method begins. A requesting application, such as the web browser 202 requests 404 one or more **data files** 214. The data files 214 are stored in the database system 210 and may include...

**Dialog eLink:** [Order File History](#)

23/3K/1 (Item 1 from file: 348)

DIALOG(R)File 348: EUROPEAN PATENTS

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01888484



**Systems and methods for secure transaction management and electronic rights protection**  
 Systeme und Verfahren zur gesicherten Transaktionsverwaltung und elektronischem Rechtsschutz  
 Systemes et procedes de gestion de transactions securisees et de protection de droits electroniques

**Patent Assignee:**

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 (Applicant designated States: all)

**Inventor:**

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- **Shear, Victor H.**  
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- **Spahn, Francis J.**  
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- **Van Wie, David M.**  
 1780 East 25th Avenue; Eugene, OR 97403; (US)

**Legal Representative:**

- **Smith, Norman Ian et al (36041)**  
 fJ CLEVELAND 40-43 Chancery Lane; London WC2A 1JQ; (GB)

	Country	Number	Kind	Date
Patent	EP	1526472	A2	20050427 (Basic)
	EP	1526472	A3	20060726
Application	EP	2004078254		19960213
Priorities	US	388107		19950213

**Designated States:**

AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
 IT; LI; LU; MC; NL; PT; SE;

**Related Parent Numbers: Patent (Application):**EP 861461 (EP 96922371)

**International Patent Class (V7):** G06F-017/60; G06F-009/46

International Classification (Version 8) IPC	Level	Value	Position	Status	Version	Action	Source	Office
G06F-0001/00	A	I	F	B	20060101	20060616	H	EP
G06F-0009/46	A	I	L	B	20060101	20050309	H	EP

**Abstract Word Count: 151**

**NOTE: 75**

**NOTE: Figure number on first page: 75**

Legal Status	Type	Pub. Date	Kind	Text
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**Language** Publication: English

**Procedural:** English

**Application:** English

Fulltext Availability	Available Text	Language	Update	Word Count
CLAIMS A		(English)	200517	355
SPEC A		(English)	200517	167222
Total Word Count (Document A) 167604				
Total Word Count (Document B) 0				
Total Word Count (All Documents) 167604				

**Specification:** ...or "digital") highway. Electronic Content

Today, virtually anything that can be represented by words, numbers, **graphics**, or system of commands and instructions can be formatted into electronic digital information. Television, cable...more increments (such as one or more blocks of a preidentified nature, e.g., bytes, **images**, logically related blocks) that form a generally arbitrary, but logical to a user, content "deliverable... ..of mixed increment selections (for example, a certain quantity of certain text could mean associated **images** might be discounted by 15%; a greater quantity of text in the "mixed" increment selection might mean the **images** are discounted 20%). Such user selected aggregated information increments can reflect the actual requirements of... ..to the user. VDE further supports a wide variety of predefined increment types including:

) ) bytes,

) ) **images**.

) ) content over time for audio or video, or any other increment that can be identified... said extracted content, such as material authored by the extractor and/or content (for example, **images**, video, audio, and/or text) extracted from one or more other VDE container objects for... ..parameters related to electronic information content use; (b) different increment units (bytes, documents, properties, paragraphs, **images**, etc.) and/or other organizations of such electronic content; and/or (c) different categories of...by modifying in a normally undetectable way color frequency and/or the brightness of certain **image** pixels, by slightly modifying certain audio signals as to frequency, by modifying font character formation...7 shows an example of an electronic appliance;

FIGURE 8 is a more detailed block **diagram** of an example of the electronic appliance shown in FIGURE 7;

FIGURE 9 is a... ..11D-11J show examples of "components" and "component assemblies";

FIGURE 12 is a more detailed **diagram** of an example of the Rights Operating System shown in FIGURE 10;

FIGURE 12A shows an example of how "objects" can be created;

FIGURE 13 is a detailed block **diagram** of an example the software architecture for a "protected processing environment" shown in FIGURE 12... ..the FIGURE 13 protected processing environment to create a channel;

FIGURE 16 is a block **diagram** of an example of a secure data base structure;

FIGURE 17 is an illustration of... ..C electronic legal contracts;

C distribution of "content" such as electronic printed matter, video, audio, **images** and computer programs; and

C secure communication of private information such as medical records and...rules and controls" are added by the distributor.

"Rules and controls" can be used to **protect** the content user's **privacy** by limiting the information that is reported to other VDE participants. As one example, "rules... ..related to, or consume, distributed information.

#### SPU 600 Internal Architecture

Figure 9 is a detailed **diagram** of the internal structure...externally to an SPU. For example, external RAM may be used:

C to buffer memory **image** pages and data structures prior to their storage in flash memory or on an external... ..and support

#### Component Based Architecture

C processing based on independently deliverable secure components

C component **model** of processing control allows different sequential steps that are reconfigurable based on requirements

C components... ..card reader, or "flash" memory) organized to reflect named elements (a "file system") for storing **images** of main memory cells. Most computer systems also include input/output devices such as keyboards... application running on a conventional operating system.

#### ROS Software Architecture

Figure 10 is a block **diagram** of one example of a software structure/architecture for Rights Operating System ("ROS") 602 provided...is handled as a message to the channel service manager 562.

Figure 15 is a **diagram** showing how the preferred embodiment channel services manager 562 constructs a "channel" 594, and also...

#### **Dialog eLink:** [Order File History](#)

23/3K/2 (Item 1 from file: 349)

DIALOG(R)File 349: PCT FULLTEXT

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01152960

#### **NETWORK AUDIT POLICY ASSURANCE SYSTEM**

SYSTEME D'ASSURANCE DE POLITIQUES DE VERIFICATION DE RESEAU

**Patent Applicant/Patent Assignee:**

- **PREVENTSYS INC**  
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**Patent Applicant/Inventor:**

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- **RAVENEL John Patrick**  
2209 Johnston, Rd., Escondido, CA 92029; US; US(Residence); US(Nationality); (Designated only for: US)
- **WILLIAMS John Lislie**  
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- **NAKAWATASE Rayan Tadashi**  
12508 Salmon River Road, San Diego, CA 92129; US; US(Residence); US(Nationality); (Designated only for: US)
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Patent	WO	200475006	A2-A3	20040902
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BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU;  
CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI;  
GB; GD; GE; GH; GM; HR; HU; ID; IL; IN;  
IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR;  
LS; LT; LU; LV; MA; MD; MG; MK; MN; MW;  
MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL;  
PT; RO; RU; SC; SD; SE; SG; SK; SL; SY;  
TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ;  
VC; VN; YU; ZA; ZM; ZW;

[EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;  
FI; FR; GB; GR; HU; IE; IT; LU; MC; NL;  
PT; RO; SE; SI; SK; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;  
ML; MR; NE; SN; TD; TG;

[AP] BW; GH; GM; KE; LS; MW; MZ; SD; SL; SZ;  
TZ; UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

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#### **English Abstract:**

...policies and configuring audits of the data communications network (13). The compliance server presents a **graphical** user interface (GUI) to describe the specific data gathering parameters, policies to be analyzed, and...

#### **Detailed Description:**

...data communications network. According to one embodiment of the invention, this first server presents a **graphical** user interface (GUI) used to describe the specific data gathering parameters, policies to be analyzed... ..then be monitored for completion. Another type of recommendation is the addition of rules to **reduce risk**.

According to one embodiment of the invention, the system includes an engine for identifying active...  
...the appended claims.

5

#### **BRIEF DESCRIPTION OF TBE DRAWINGS**

FIG. 1 is a schematic block **diagram** of a global network including a prevention-based network security audit system according to one embodiment of the invention; FIG. 2 is a block **diagram** of a compliance server according to one embodiment of the

0 invention;

FIG. 3 is a block **diagram** of a policy lab according to one embodiment of the invention;

FIG. 4 is an exemplary screen shot of a **graphics** users interface (GUI) for invoking a policy editing and policy deployment module according to one... ..test window according to one embodiment of the invention;

5 FIG. 10 is a block **diagram** of an audit server according to one embodiment of the invention;

FIG. 11 is... ..a filtering rule according to one embodiment of the invention;

FIG. 12A is a flow **diagram** of an exemplary process for testing wireless access points according to one embodiment of the invention;

FIG. 13 is a semi-schematic block **diagram** of a policy analysis process according to one embodiment of the invention;

FIG. 13A is a conceptual layout **diagram** of an exemplary reference map according to 10 one embodiment of the invention;

FIG... ..scan results document

according to one embodiment of the invention;

FIG. 16 is a flow **diagram** of an exemplary remediation process executed according to one embodiment of the invention;

FIG. 17 is a block **diagram** of the logical modules making up a management interface according to one embodiment of the... ..to one embodiment of the invention.

## DETAILED DESCRIPTION

### INTRODUCTION

FIG. 1 is a schematic block **diagram** of a global network according to one 30 embodiment of the invention. The global... ..based network security audit system.

### 11, COMPLIANCE SERVER

FIG. 2 is a more detailed block **diagram** of the compliance server 10 according to one embodiment of the invention. According to the... ..compliance server 10.

0

### III. POLICY LAB

FIG. 3 is a more detailed functional block **diagram** of the policy lab 32 according to one embodiment of the invention. According to the... ..and rules for increasing network security.

FIG. 4 is an exemplary screen shot of a **graphics** users interface (GUI) for invoking the policy editing and policy deployment modules 40, 44 according... ..based on their importance.

### IV, AUDIT SERVER

FIG. 10 is a more detailed functional block **diagram** of the audit server 12 according to one embodiment of the invention. The audit server... ..determining whether such failure poses a risk to the network.

FIG. 12A is a flow **diagram** of an exemplary process for WAP testing according to one embodiment of the invention. In... ..provided.

## 5 V, POLICY & VULNERABILITY (P&V) ENGINE

FIG. 13 is a semi-schematic block **diagram** of a policy analysis process according to one embodiment of the invention. One or more... ..determining whether the matches are 5 indeed semantically equivalent.

FIG. 13A is a conceptual layout **diagram** of an exemplary reference map 800 according to one embodiment of the invention. A person... ..time may also be included into the calculation.

### Remediation Tasks

FIG. 16 is a flow **diagram** of an exemplary remediation process executed by the P&V engine 34 in conjunction with...invention, the GUI is a web-based interface.

FIG. 17 is a more detailed block **diagram** of the logical modules making up the management interface 30 according to one embodiment of...

### Claims:

...or any combination of software, hardware or firmware. Furthermore, the steps described in the flow **diagrams** may be implemented in the indicated order, or in any other order recognized by a... ..system of claim 1, wherein the first server provides, in response to the determination, a **graphical representation** of a security of the data 2 5 communications network.

14 The network auditing system ... ..network- during the network audit.

20 The method of claim 16, wherein the machine-processable **policy rule** is **associated** with a severity meter for violating the rule.

0

21 The method of claim 16...

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DIALOG(R)File 349: PCT FULLTEXT

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01012936

### INFORMATION AGGREGATION, PROCESSING AND DISTRIBUTION SYSTEM

SYSTEME DE REGROUPEMENT, DE TRAITEMENT ET DE REPARTITION D'INFORMATION

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Patent	WO	200342875	A1	20030522
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Priorities	US	2001337499		20011113
	US	2002370464		20020405
	US	2002385518		20020604

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BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ,  
DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD,  
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,  
KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,  
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,  
NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD,  
SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT,  
TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW

[EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;  
FI; FR; GB; GR; IE; IT; LU; MC; NL; PT;  
SE; SK; TR;



[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;  
ML; MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;  
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[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

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#### Detailed Description:

...data structures and messaging protocols associated with various legacy systems. Societally, facilitating such exchanges involves **protecting** sensitive **information**, **privacy**, and civil liberties interests so as to build an environment of trust that encourages sharing...sanitization engine. Many input formats may be supported in this regard, including various text and **image** formats. In the latter regard, the interface engine may parse the imaging information ...the present invention in connection with an aviation safety application; FIG. 7 is a schematic **diagram** of a classified information processing and distribution system in accordance with the present invention;

FIG. 8 is a schematic **diagram** showing an information flow relative to a MAG module in accordance with the present invention...a Mag format function in accordance with the present invention;

FIG. 15 is a schematic **diagram** of an ADS module in accordance with the present invention;

FIG. 16 is a schematic **diagram** of an alternative implementation of an ADS module in accordance with the present invention;

FIG. 17 is a schematic **diagram** of a further alternative implementation of an ADS module in accordance with the present invention... ..guidance system in accordance with the present invention;

FIG. 19 is a flowchart of an **image** message process in accordance with the present invention;

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FIG. ...As illustrated, one result of these analyses may be prevention and interdiction efforts to directly **reduce** or eliminate the **risks** 102. Additionally, the mission partners 108 may provide analysis, warnings and reports to the stakeholders...18

list back to the individual sources in raw or sanitized form, depending on the **associated policy rules**.

#### IL Radiant Sanitizer/Guard

As noted above, the Radiant Trust System includes a Radiant Sanitizer... ..the Radiant Collaborative subsystem is described in the following section.

Fig. 7 is a schematic **diagram** providing an overview of a sanitizer/guard ...provides a simply invoked and powerful utility for both transformations.

Fig. 8 provides a schematic **diagram** of the MAG module functionality. In the illustrated example, the MAG module 802 is incorporated...ADS module 716 will now be described.

#### B. ADS MODULE

Fig. 15 is a schematic **diagram** of the ADS module 1500. The module 1500 automatically modifies, or sanitizes, formatted data from...Figs. 16 and 17 show certain modifications of the ADS module for handling messages including **images**. The components of the modules illustrated in Figs. 16 and 17 that correspond to components...of tactical information, it is desirable to be able to sanitize and distribute messages including **images**. However, the processing of such **image** messages presents certain challenges. First, **image** messages include **image** elements that are not readily susceptible to analysis using conventional sanitization rules. In addition, when text and other data components are included together with **images**, there is a need to separate the intelligible data from the **image** components. **Image** messages also often constitute very large files, e.g., sometimes in excess of two gigabytes ...structures of Figs. 16 and 17 include certain modifications to address the needs of handling **image** messages.

Referring first to Fig. 16, the sanitization module 1600 is illustrated in an exemplary application for processing an **image** message in one standard **image** messaging format;

28  
namely, NITF. A goal of the module 1600 is to process NITF...addressee systems. It will thus be observed that the large message file including its inscrutable **image** components is never loaded into 1 0 running memory. Rather, the message is separated into its inscrutable **image** components and its intelligible data ...allow for processing of all text and other data, but sufficiently small to avoid loading **image** data into running memory. Such a rule is easily executed and the data components that... an external addressee system.

Fig. 17 shows an ADS module 1700 with further modifications for **image** message handling. In this case, again, a script is used to access an NITF file...addressee system.

Fig. 18 is a flowchart illustrating the sanitization module processing 1800 for handling **image** messages in accordance with the structure of Fig. 17. The process is initiated by receiving...regard, the intelligible elements can be moved into running memory while the unintelligible elements including **images**, symbols, and the like continue to reside only on disk. The module then applies (1808...there may be documents 2910 representing logistics data, signal intelligence data, terrain data, map data, **image** data and the like, together providing a common operational picture. It will be appreciated that... collaboration system 2101 of the present invention permits collaboration between multiple users without requiring that **images** be pasted onto a common "whiteboard" in order for the multiple users collaborate on the...be software agents involved in the collaborative process.

Referring now to Fig. 28, a block **diagram** of the components of one embodiment of a collaboration system 2101 in accordance with the...infon-nation from those data sources 2912. These components are based on the United States **Imagery** and Geospatial

44

Services (USIGS) Geospatial and **Imagery** Access Services (GIAS) Specification. Fig. 43 illustrates the high level interaction between libraries, managers and...

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00944762

**PDSTUDIO DESIGN SYSTEM AND METHOD**

SYSTEME ET PROCEDE DE CONCEPTION D'UN ATELIER DE DEVELOPEUR DE POLITIQUE DE SECURITE

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EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,  
ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ,  
LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,  
MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU,

SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,  
TZ, UA, UG, UZ, VN, YU, ZA, ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;  
GR; IE; IT; LU; MC; NL; PT; SE; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;  
ML; MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;  
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#### English Abstract:

...policy developer studio comprising: a meta-policy core of network objects (601), a policy developer **graphical** user interface (GUI) tool for providing a front end to a policy language (603), an...

#### Detailed Description:

...why access is being  
granted or denied to particular resources and may lead to unintentional  
**breaches** of security.

A way to **reduce** or eliminate the confusion described above is by providing a user-friendly and, yet, rigorous...A policy developer studio comprising: a meta-policy core of network objects, a policy developer **graphical** user interface (GUI) tool for providing a front end to a policy language, an output...  
...readable form is provided.

7

#### BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a schematic **diagram** showing the relationship of elements of the Policy Monitoring System, according to the invention;

Fig. 2 is a schematic **diagram** of a protocol event according to the invention; Fig. 3 is a schematic **diagram** of a disposition according to the invention;

Fig. 4 is a schematic **diagram** of communicating parties according to the invention;

Fig. 5a is a schematic **diagram** of a network event, comprising protocol events at different protocol layers, having an associated network... outcomes and, finally, a final disposition for the network event;

Fig. 6 is a schematic **diagram** of the preferred embodiment of a policy developer studio according to the invention;

Fig. 7 is a schematic **diagram** of meta-policy objects and their associations according to the invention;

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Fig. 8 is...A policy developer studio comprising: a meta-policy core of network objects, a policy developer **graphical** user interface (GUI) tool for providing a front end to a policy language, an output... section entitled, An Exemplary Policy Developer System, herein below.

#### Overview

Fig. 1 is a schematic **diagram** showing the relationship of elements of the Policy Monitoring System 100, according to the preferred...of security violations involving one or both of the principals.

Fig. 4 is a schematic **diagram** of communicating parties according to the  
22

invention; wherein an initiator host machine 141 attempts...section defines what to do with the protocol (or network) 103 event if the current **policy rule** is **applied** to the protocol event. That is, if the rule is selected by the Policy Engine...Policy Compiler (Fig. 1, 106). In one embodiment, said compilation step is incorporated into a **graphical** policy editor, such that it is incorporated into said policy specification step. In another embodiment... ..Engine 101 for evaluation of one or many network events 103, or back into the **graphical** policy editor for visualization and further refinement.

#### Evaluation of Rules

This section describes how policy... ..security administrator uses the annotated specification language 109 using a visual tool, such as a **graphical** policy editor to determine how the policy rules are interrelated, their hierarchical relationships and how...protocol event the Policy Engine 101 selects a policy rule applicable to that event. Every **policy rule** is **associated** with a specific protocol and action or a set of protocols and actions. Therefore only... ..event. The specificity of a policy rule is determined by the specificity of the credentials **associated** with the **policy rule** , as well as the specificity of the rule's protocol, action and prerequisite specifiers. For... ..guidelines for good policy development that minimize herein above ambiguities.

Fig. 5a is a schematic **diagram** of the preferred embodiment in which a network event 103 comprises M protocol events at ...In the preferred embodiment when an immediate outcome does not produce a final disposition the **associated** selected **policy rule** becomes a pending policy rule for the related network event (507). The Policy Engine 1...policy by the Policy Engine 101. It is intended to incorporate the guidelines into a **graphical** policy editing invention using wizards, policy templates and other UI mechanisms that among other uses...In the preferred embodiment of the invention, the policy developer studio comprises a policy developer **graphical** user interface (GUI) tool that provides a front end to the policy language of patent... ..embodiment of the policy developer studio is described with reference to Fig. 6, a schematic **diagram** of a policy developer studio 600 according to the invention. At the center of the **diagram** and at the core of the studio is a meta-policy core object 601 comprising... and are within scope of the invention.

The preferred embodiment of the invention provides a **graphical** user interface (GUI) tool 603 that represents, among other items, the network-related 1 0...network security policy is described with reference to Fig. 7. Fig. 7 is a schematic **diagram** of meta-policy objects and their associations according to the invention. At the center of the **diagram** is a rheta-policy 601. Solid lines without arrows represent associations and/or containments. A...Policy Developer Application User Interface

The preferred embodiment of the policy developer system provides a **graphical** user interface, the policy developer GUI, to the meta-policy. Such policy developer GUI comprises...view is a simplified view of the network as compared to the typical contemporary network **diagram**. The subnet pane naturally allows interest in subnet addresses and network address translation (NAT) in... ..connection objects according to the invention.

An advantage of adding specific details to the subnet **diagram**, such as depicted in Fig. 1 1 , for example, is that such added details allow... ..a monitored net across routers and firewalls that are performing NAT.

Icons on the subnet **diagram**, such as depicted in Fig. 1 1, may be selected and dragged to improve the aesthetics of the **diagram**. While an icon is dragged, its connections to other components are maintained.

Each icon has... ..explicitly defined within the current policy, and, therefore, is the only Internet object per subnet **diagram**;

Subnet object, for representing a collection of IP subnets. The following information about the subnet...tab. o "Intranet"  
\*"Extranet"

This classification changes the color of the subnet in the Subnet **diagram** 125 and the nesting of the subnet under "Intranet" or "Extranet" in the Hosts window...

#### Claims:

...implementation of said network security policy.

2 The system of Claim 1, further comprising:

a <B>graphical</B> user interface tool for manipulating said meta-policy.

3 The system of Claim 1, wherein... ..of said network security policy. @

9 The method of Claim 8, further comprising:

providing a <B>graphical</B> user interface tool for manipulating said metapolicy.

10 The method of Claim 8, wherein said...

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00819465

**A DECLARATIVE LANGUAGE FOR SPECIFYING A SECURITY POLICY**  
LANGAGE DECLARATIF DESTINE A SPECIFIER UNE POLITIQUE DE SECURITE

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AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR,  
BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM,  
EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,  
ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ,

LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,  
MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU,  
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[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;  
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[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML;  
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#### Detailed Description:

...why access is being  
granted or denied to particular resources and may lead to unintentional  
**breaches** of security.

A way to **reduce** or eliminate the confusion described above is by providing a user-friendly and, yet,  
rigorous...deviate from those patterns.

7

#### BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a schematic **diagram** showing the relationship of elements of the  
Policy Monitoring System, according to the invention;

Fig. 2 is a schematic **diagram** of a protocol event according to the invention; Fig. 3 is a schematic  
**diagram** of a disposition according to the invention;

Fig. 4 is a schematic **diagram** of communicating parties according to the  
invention;

Fig. 5a is a schematic **diagram** of a network event, comprising protocol events at different protocol  
layers, having an associated network... ..for the network event.

#### DETAILED DESCRIPTION OF THE INVENTION

##### Overview

Fig. 1 is a schematic **diagram** showing the relationship of elements of the Policy Monitoring System  
100, according to the preferred...of security violations involving one or both of the principals.

Fig. 4 is a schematic **diagram** of communicating parties according to the  
invention; wherein an initiator host machine 141 attempts to...section defines what to do with the



protocol (or network) 103 event if the current **policy rule** is **applied** to the protocol event. That is, if the rule is ... Policy Compiler (Fig. 11 106). In one embodiment, said compilation step is incorporated into a **graphical** policy editor, such that it is incorporated into said policy specification step. In another embodiment ... Engine 101 for evaluation of one or many network events 103, or back into the **graphical** policy editor for visualization and further refinement.

#### Evaluation of Rules

This section describes how policy... security administrator uses the annotated specification language 109 using a visual tool, such as a **graphical** policy editor to determine how the policy rules are interrelated, their hierarchical relationships and how... protocol event the Policy Engine 101 selects a policy rule applicable to that event. Every **policy rule** is **associated** with a specific protocol and action or a set of protocols and actions. Therefore only... event. The specificity of a policy rule is determined by the specificity of the credentials **associated** with the **policy rule**, as well as the specificity of the rule's protocol, action and prerequisite specifiers. For... guidelines for good policy development that minimize herein above ambiguities.

Fig. 5a is a schematic **diagram** of the preferred embodiment in which a network event 103 comprises M protocol events at... In the preferred embodiment when an immediate outcome does not produce a final disposition the **associated** selected **policy rule** becomes a pending policy rule for the related network event (507). The Policy Engine 1... policy by the Policy Engine 101. It is intended to incorporate the guidelines into a **graphical** policy editing invention using wizards, policy templates and other UI mechanisms that among other uses...

#### Claims:

...events by using said associated predefined protocol layers; means for Policy Engine to select a **<B>policy</B> <B>rule</B> <B>associated</B>** with each of said plurality of protocol events, using a specificity of said policy rule... credential, comprising the steps of: selecting a first set of rules from said plurality of **<B>policy</B> <B>rules</B>**, such that each rule is **<B>associated</B>** with said Agent; selecting a second set of rules from said first set of rules... a policy violation; CONTINUE; and OK.  
60 A method for processing an outcome of a **policy rule associated** with a protocol event of a network event, comprising the steps of: if said outcome...

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00806389

**SCHEDULING AND PLANNING BEFORE AND PROACTIVE MANAGEMENT DURING MAINTENANCE AND SERVICE IN A NETWORK-BASED SUPPLY CHAIN ENVIRONMENT**  
**PROGRAMMATION ET PLANIFICATION ANTICIPEE, ET GESTION PROACTIVE AU COURS DE LA MAINTENANCE ET DE L'ENTRETIEN D'UN ENVIRONNEMENT DU TYPE CHAÎNE D'APPROVISIONNEMENT RESEAUTÉE**

**Patent Applicant/Patent Assignee:**

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**Inventor(s):**

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Application	WO	2000US32228		20001122
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AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY,  
 CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI,  
 GB, GE, GH, GM, HR, HU, ID, IL, IS, JP,  
 KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,  
 LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ,  
 PL, PT, RO, RU, SD, SE, SG, SI, SK, SL,  
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[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;  
 GR; IE; IT; LU; MC; NL; PT; SE; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML;  
 MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;  
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**Detailed Description:**

...of the invention with reference to the drawings, in which.

Figure 1 is a schematic **diagram** of a hardware implementation of one embodiment of the present invention;

Figure 2 illustrates an... chain in accordance with an embodiment of the present invention;

Figure 12 is a block **diagram** of an exemplary telecommunications system in accordance with a preferred embodiment;

Figure 13 shows a block **diagram** of the Network Data Management in accordance with a preferred embodiment;

Figure 14 is a... Network Data Management process in accordance with a preferred embodiment;

Figure 15 shows a block **diagram** of the Customer Interface Management Process in accordance with a preferred embodiment;

Figure 16 is... Customer Interface Management Process in accordance with a preferred embodiment;

Figure 17 shows a block **diagram** of the Customer Quality of Service Management Process in accordance with a preferred embodiment;

Figure... of Service Management Process in accordance with a preferred embodiment;

Figure 19 shows a block **diagram** of the Service Quality Management in accordance with a preferred embodiment;

Figure 20 is a... Service Quality Management Process in accordance with a preferred embodiment;

Figure 21 shows a block **diagram** of the Problem Handling Process in accordance with a preferred embodiment;

Figure 22 is... Problem Handling Management Process in accordance with a preferred embodiment;

Figure 23 shows a block **diagram** of the Rating and Discounting Process in accordance with a preferred embodiment;

Figure 24 is... Rating and Discounting Process in accordance with a preferred embodiment;

Figure 25 shows a block **diagram** of the Invoice and Collections Process in accordance with a preferred embodiment;

Figure 26 is... over a hybrid network in accordance with a preferred embodiment;

Figure 28 is a block **diagram** of an exemplary computer system. in accordance with a preferred embodiment;

Figure 29 illustrates the... formats in accordance with a preferred embodiment;

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Figures 36 and 37 are control flow **diagrams** illustrating the conditions under which a switch uses the expanded record format in accordance with a preferred embodiment;

Figure 38 is a control flow **diagram** illustrating the Change Time command in accordance with a preferred embodiment;

Figure 39 is a... Savings Time command in accordance with a preferred embodiment;

Figure 40 is a control flow **diagram** illustrating the Network Call Identifier (NCID) switch call processing in accordance with a preferred embodiment;

Figure 41 is a control flow **diagram** illustrating the processing of a received Network Call Identifier in accordance with a preferred embodiment;

Figure 42 is a control flow **diagram** illustrating the generation of a Network Call Identifier in accordance with a preferred embodiment;

Figure 43 is a control flow **diagram** illustrating the addition of a Network Call Identifier to a call record in accordance with... in accordance with a preferred embodiment of the present invention;

Figure 46 is a block **diagram** showing a Fault Management component in accordance with a preferred embodiment of the present invention... in accordance with a preferred embodiment of the present invention.

Figure 53 is a block **diagram** of a Web Architecture Framework in accordance with one embodiment of the present invention;

Figure... services in accordance with one embodiment of the present invention.

Figure 86 is a flow **diagram** depicting considerations to be taken into consideration when identifying the core technologies to be used... the eCommerce Application Framework;

Figure 99 illustrates a simple personalization process;

Figure 100 is a **graphical** depiction of extents of personalization;

Figure 101 illustrates a content catalog that can be used... a new market maker quotation from the bandwidth market system;

Figure 141 is a block **diagram** of a bill pay system relying on postal mailed payments; Figure 142 is a block... system wherein consumers pay bills using a bill pay

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Figure 143 is a block **diagram** of a bill pay system where billers initiate automatic debits from consumers' bank accounts; and... environment for electronic content.

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## DESCRIPTION OF THE PREFERRED EMBODIMENTS

Figure 1 is a schematic **diagram** of one possible hardware implementation by which the present invention may be carried out. As... system.

Objects can represent elements of the computer-user environment such as windows, menus or **graphics** objects.

An object can represent an inventory, such as a personnel file or a table ...by the operating system to perform certain tasks, but

22

one way.

The development of **graphical** user interfaces began to turn this procedural programming arrangement inside out. These interfaces allow the...101 will shrink as a percentage of total traffic, while other forms of information including **image** and video will greatly increase. Even when compressing is available, the bandwidth requirements for both inside and outside building networks will need to be greatly expanded.

Text files and **images** can be sent over existing packet-based networks because the delivery of this information is...of information, there are at least two types of display methods. The first is for **graphic** intensive presentations and the second is for nomadic use, such as field technicians. The first...center 1218 receives one billing block from each switch

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Figure 13 shows a block **diagram** of the Network Data Management 1300 in accordance with a 1 0 preferred embodiment of...completion notification, quality of

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based on the event received.

Figure 19 shows a block **diagram** of the Service Quality Management 1304 in accordance with a preferred embodiment of the present... process to which to send the generated data is identified.

Figure 21 shows a block **diagram** of the Problem Handling Process 1502. The Problem Handling Process receives information from the Customer...it to the appropriate destination. The media transferred over the network may be telephony data, **image** data, or any

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In a second step 2702, events are generated based on the...representation of the CDR and PNR call record formats. Figures 30 and 31 show a **graphical representation** of the ECDR and EPNR call record formats. Figure 32 shows a **graphical representation** of the OSR and POSR call record format. Figures 33 and 34 show a graphical representation of the EOSR and EOSR call record formats. Figure 35 shows a **graphical representation** of the SER record format.

The CDR and PNR, and thereby the ECDR and...which categorizes the numerous messages that the hybrid network generates.

Figure 46 is a block **diagram** showing a Fault Management component 4600 in accordance with a preferred embodiment of the present...agreements.

Service level agreement information is generally provided to the Proactive Threshold Manager by the **rules** database which contains most pertinent subscriber information.

In a sensing step 4706, the Proactive Threshold...of information, there are at least two types of display methods. The first is for **graphic** intensive presentations and the second is for nomadic use, such as field technicians. The first ...incorporates the data gathering and transaction processing capabilities of conventional automated teller machines with video, **graphics**, audio and printer operations. Interactivity

with the customer is governed by a software system through...in an appropriate manner to the user. For example, the client browser program displays **graphical image** information as **images** on the user's **graphical** display screen; plays video information as video animation on the user's **graphical** display screen; displays text information as text on the user's screen; and plays sound...portion of the screen occupies a small part of the screen, such as horizontally scrolling **image** region at the top or bottom of the display and the remainder of the screen...personalize applications and content.

#### DISCUSSION FORUMS AND NEWSGROUPS

Securely handles all media types (e.g. **graphics**, audio, etc.)

Links to web pages for easy access to published documents

Facilitates discussions across... of newsgroups to which users can subscribe.

Sending and receipt of all media types, including **graphics**, audio, streaming video, and the like is permitted. A user may also participate in discussions... automatically processes interactive online forms

Displays and analyzes real time survey reports in text and **graphic** format

Downloads collected information for offline needs

The customer relationship management component of the present... to access results from web browsers. Survey results are analyzed and displayed in text and **graphic** format. Optionally, users may be permitted to view current survey results, such as reports. Finally...

#### Claims:

...and escalate Trouble report

Performance Trouble report handling 1302 (OoS & SLA) Ensure a consistent

<B>image</B> Monitoring and secure use of system Performance Finance and Customer 00 complaints A AL performance... Figure 929402

DISPLAYING INFORMATION OF A PRODUCT INCLUDING AT

LEAST ONE OF PRODUCT SPECIFICATIONS, <B>GRAPHICS</B>, VIDEO

<B>IMAGES</B>, DIGITAL SAMPLES, AND INVENTORY AVAILABILITY 9404

PROVIDING A SEARCH MECHANISM FOR SEARCHING FOR ITEMS SIMILAR...

#### Dialog eLink: Order File History

23/3K/7 (Item 6 from file: 349)

DIALOG(R) File 349: PCT FULLTEXT

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00784185

#### A SYSTEM AND METHOD FOR STREAM-BASED COMMUNICATION IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT

SYSTEME, PROCEDURE ET ARTICLE DE PRODUCTION FOURNISSANT UN SYSTEME DE COMMUNICATION EN CONTINU DANS UN ENVIRONNEMENT DE CONFIGURATIONS DE SERVICES DE COMMUNICATION

Patent Applicant/Patent Assignee:

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**Designated States:** (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG,  
BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE,  
DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG,  
KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV,  
MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ,  
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL,  
TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU,  
ZA, ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;  
GR; IE; IT; LU; MC; NL; PT; SE;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML;  
MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;  
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**Detailed Description:**

...National Center for Supercomputing Applications (NCSA) released a Web browser called "Mosaic" that implemented a **graphical** user interface (GUI). Mosaic3s **graphical** user interface was simple to learn yet powerful. The Mosaic browser allows a user to... ..thereof Such description makes reference to the annexed drawings wherein.

Figure 1 is a schematic **diagram** of a hardware implementation of one embodiment of the present invention;

Figure 2 is a flow **diagram** illustrating a high level overview of an architecture;

Figure 3 shows the dependencies of three... ..delivery vehicle matrix;

Figure 5 illustrates a Delivery Vehicle Cube;

Figure 6 is a flow **diagram** depicting considerations to be taken into consideration when identifying the core technologies to be used... ..in accordance with one embodiment of the present invention;

Figure 11 is a detailed **diagram** of some of the components of the Netcentric Architecture Framework found in Figure 10;

4

Figure 12 is a detailed **diagram** of other components of the Netcentric Architecture Framework found in Figure 10;

Figure 13 illustrates... flow, and/or user interface designs to a User Interface Component;

Figure 40 is a **diagram** of an Application Model which illustrates how the different types of Partitioned Business Components might... ..environment;

7

Figure 52 illustrates a business process to object mapping;

Figure 53 is a **diagram** which illustrates a graph of resilience to change; Figure 54 illustrates a flowchart for a... ..class in accordance with an embodiment of the present invention;

Figure 56 illustrates a class **diagram** of the batch job hierarchy;

Figure 57 illustrates an object interaction graph of a possible implementation of the class **diagram** of Figure 56;

Figure 58 illustrates a flowchart for a method for controlling access to...a request that returns a large amount of data;

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Figure 98 shows a **graphical** depiction of a paging communication pattern;

Figure 99 illustrates a message trace **diagram** showing the interactions between a Client and a Server using Paging Communication to satisfy the...device, a desktop PC, and a telecommunications device;

Figure 125 illustrates an activity entity relationship **diagram**;

Figure 126 illustrates a roles and responsibilities **diagram**;

Figure 127 illustrates a typical implementation between a user interface and its activity; Figure 128... ..129 illustrates widgets with their validation requirements;

Figure 130 illustrates a user interface validator association **diagram** ;

Figure 131 illustrates a validation rule class **diagram**;

Figure 132 illustrates a rule validation interaction **diagram**;

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Figure 133 illustrates a flowchart for a method for assigning a view to an... ..successful in accordance with an embodiment of the present invention;



Figure 137 illustrates an operation **diagram** depicting an example of pre-conditions and post conditions;

Figure 138 illustrates a flowchart for... ..in accordance with an embodiment of the present invention;

Figure 153 illustrates a component interaction **diagram** showing an interaction between a number of components in a financial system;

Figure 154 illustrates a user manger/user context relationship **diagram**;

Figure 155 illustrates a flowchart for a method for translating an object attribute to and... ..other related objects

using the multi object fetch results;

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Figure 169 is an interaction **diagram** showing when the multi object fetch is not used; Figure 170 illustrates a flowchart for... system.

Objects can represent elements of the computer-user environment such as windows, menus or **graphics** objects.

An object can represent an inventory, such as a personnel file or a table...problems with a program that executed in just I O one way.

The development of **graphical** user interfaces began to turn this procedural programming arrangement inside out. These interfaces allow the...across different platforms or protocols.

The use of architecture frameworks during analysis and design can **reduce** the **risks** of an IT solution. It should improve development productivity through reuse, as well as the...presentation of data (text, sound, video, etc.).

The ability to digitize, organize, and deliver textual, **graphical** and other information (e.g., video, audio, etc.) in addition to traditional data to a...logical areas is provided below. See also Figures 1 1 and 12, which are detailed **diagrams** of the components of the Netcentric Architecture Framework found in Figure 10.

Netcentric Computing Top...can reside on both client and server. Clients are typically PCs or Workstations with a **graphical** user interface running in a Web browser. Servers are usually implemented on UNIX, NT or... ..of a character-based interface. That is, it allows PC-based clients to introduce a **graphical** user interface (GUI) into the application environment.

Allows rapid development 66 out-of-the-box...operating system, the Window System Services provide the base functionality for creating and managing a **graphical** user interface (GUI) -- detecting user actions, managing windows on the display, and displaying information in... ..desktop allowing you to place documents on the desktop, launch applications by clicking on a **graphical** icon, or discard files by dragging them onto a picture of a waste basket. Most... ..3270-style field used to display or input textual data, or it may be a **graphical** field such as a check box, a list box or an **image**. Form Services provide support for.

Display - support the display of various data types (e.g...to determine how well the product integrates

with other design and development tools, presentation services (**graphics**, multi-media, etc.), data access services (databases and database API libraries), distribution services (distributed TP...server development tools such as Visual Basic and PowerBuilder do not provide specific services for **graphical** navigation, but the effect can be recreated by selecting (i.e., clicking on) **graphical** controls, such as picture controls or iconic push-buttons, programmed to launch a particular window.

A major advantage of the **graphical** user interface is the fact that it allows multiple windows to be open at one... and interact with applications and documents made up of varying data types, such as text, **graphics**, and audio. These services also provide support for navigation within and across documents no matter... can be used to control the positioning and formatting of a document's text and **images**. SGML is used for large, complex, and highlystructured documents that are subject to frequent revisions headings, lists, paragraphs, tables, electronic forms, in-line **images** (**images** next to text), and hypertext links. Enhancements to the original HTML 1.0 specification include banners, the applet tag to support Java, **image** maps, and text flow around **images**.

The WK also approved the specification for version 4.0 of HTML  
(<http://www.w3...>...called the Document Object

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Model DOM The DOM categorizes Web page elements--including text, **images**, and links--as objects and specifies the attributes that are associated with each object. The... ..Language (VRML--pronounced "ver-mul"). VRML is technically not a markup language because it uses **graphical** rather than text-based file formats.

In order to create 3-D worlds and objects with VRML, users need a VRML editor such as Silicon **Graphics'** Cosmo Worlds (<http://Hcosmo.sgi.com/products/studio/worlds>). To view VRML content, users need... ..plug-in for standard HTML browsers.

Leading VRML plug-ins include Cosmo Player from Silicon **Graphics** (<http://vn-nl.sgi.com/cosmoplayer>), Liquid Reality from Microsoft's DimensionX subsidiary (<http://www...> animated objects and supports hyperlinks to multimedia formats such as audio clips, video files, and **graphical images**. As users maneuver through VRML worlds, the landscape shifts to match their movements and give... ..based documents that included headings, bulleted lists, and hyperlinks to dynamic pages that support rich **graphic images** and virtual reality. So what next for the Web? The answer resides in a Synchronized... ..The language enables Web authors to sort multimedia content into separate audio, video, text, and **image** files and streams which are sent to a user's browser. The SMIL tags then... ..be created out of smaller, less bandwidth-consuming components.

#### Implementation considerations

Many features such as **graphics**, frames, etc. supported by Web Browsers today were not available in initial releases. Furthermore, with... ..to Visual C++, VJ++ allows the construction of Java and ActiveX applications through an integrated **graphical** development environment.

IBM VisuatAge for Java - a product similar to VisualAge for Smalltalk, VJ++ allows the construction of Java applications through an integrated **graphical** development environment. It supports JavaBeans. Used by Eagle team for the

Eagle JavaBeans reference application...The HTML standard and popular browsers provide hyperlinking services for non-text items such as **graphics**.

**Image** May is also similar to the hypertext menu above, but selections are represented as a series of pictures. A further evolution of the **image** map menu is to display an **image** depicting some place or thing (e.g., a picture of a bank branch with tellers... ..Virtual Reality - A virtual reality or a virtual environment interface takes the idea of an **image** map to the next level by creating a 3-dimensional (3-D) environment for the... ..can create a more user-friendly interface, enabling the user to find information faster.

An **image** map menu can be useful where all users share some visual model for how business... ..engaging, but also painfully slow if even a moderate speed communications connection is required. Additional **Image** Map Services are required to map the location of user mouse clicks within the **image** to the corresponding page or window which is to be launched.

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Exemplary products that may be used to implement this component include Silicon **Graphics** Open Inventor; VREAM VRcreator; DimensionX Liquid Reality.

There are many toolkits and code libraries available to speed development of applications utilizing Reality services. Below are some representative products.

Silicon **Graphics** Open Inventor - an object-oriented 3-D toolkit used to build interactive 3-D **graphics** using objects such as cameras, lights and 3-D viewers; provides a simple event model... ..and on-screen previewing of paper or photographic documents which contain screen data, application data, **graphics** or **images** .

Implementation considerations

Printing services must take into consideration varying print scenarios common in Netcentric environments, including: varying **graphics**/file types (Adobe PDF, GIF, JPEG), page margins and breaks, HTML constructs including tables and...is important to consider how well a product integrates with desktop tools (word processing, spreadsheet, **graphics** etc.) and application development programs. These items can be used to extend the capabilities of...Depending on the configuration (real time vs. nightly replication, etc.), there is a potential to **reduce** communications costs since the data access is local.

Is scalability an issue?

With users, data... ..users do not have to remotely access the master database. This is especially true for **image** and document data which cannot be quickly accessed from a central site. Making automatic copies...as a collection of objects potentially of different types (e.g., structured data, unstructured data, **images**, multimedia) a business user deals with. An individual document might be a table created using... created by others. Documents can be comprised of many different data types, including text, charts, **graphics**, or even audio and video.

Security 1410

Documents should be accessed exclusively through the document...acceptance as the Internet

mechanism for sending E-mail containing various multimedia parts, such as **images**, audio files, and movies. S/MIN4E, or secure MIME adds encryption and enables a secure...by the client.

#### Implementation considerations

ible, Application Integration Interfaces should make use of the Component **Model**

Where possi

defined by the project to broker information (i.e. OLE/COM interfaces) as...manually searching for content they want and "pulling" it back to the desktop via a **graphical** browser. But in the push model, on which subscription servers are based on, content providers... ..These services are responsible for collecting, processing, formatting, and writing report information (for example, data, **graphics**, text).

Report Distribution Services. These services are responsible for printing, or otherwise distributing, the reports...Collect the information. This function is responsible for collecting the information (for example, data, text, **image**, **graphics**) that is required for the report. This function would 'lize the Information Access Services component...itself would provide support for online preview of reports through software located on the intelligent . **Graphical** User Interface: The architecture should provide users with a **graphical** user interface.

7. ...built from low-level user interface controls. The reason for the dashed arrow in the **diagram** above is a subtle one. It points to the fact that earlier in the development... ..complete sense given their direct tie to user controlled business processes.

Figure 40 is a **diagram** of the Eagle Application Model which illustrates how the different types of Partitioned Business Components...

**Dialog eLink:** Order File History

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DIALOG(R)File 349: PCT FULLTEXT

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00784140

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A GLOBALLY ADDRESSABLE INTERFACE IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT  
SYSTEME, PROCEDE ET ARTICLE DE FABRICATION S'APPLIQUANT DANS UN ENVIRONNEMENT DE STRUCTURE DE SERVICES DE COMMUNICATIONS VIA UNE INTERFACE ADRESSABLE GLOBALEMENT

**Patent Applicant/Patent Assignee:**

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**Inventor(s):**

- **BOWMAN-AMUAH Michel K**  
6426 Peak Vista Circle, Colorado Springs, CO 80918; US

**Legal Representative:**

- **HICKMAN Paul L(agent)**  
Oppenheimer Wolff & Donnelly, LLP, 1400 Page Mill Road, Palo Alto, CA 94304; US;

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Priorities	US	99387214		19990831

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AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR,  
BY, BZ, CA, CH, CN, CU, CZ, DE, DK, DZ,  
EE, ES, FI, GB, GE, GH, GM, HR, HU, ID,  
IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK,  
LR, LS, LT, LU, LV, MD, MG, MK, MN, MW,  
MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE,  
SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG,  
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invention;

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Figure 12 is a detailed **diagram** of other components of the Netcentric Architecture Framework found in Figure 10;

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Figure 56 illustrates a class **diagram** of the batch job hierarchy;

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1 1

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1 4

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Allows rapid development "out-of-the-box"

Decreased...for specific talents in each tier.

Allows for asynchronous and standardized messaging - The enhanced client/server **model** is really a superset of the RPC-based function shipping model which provides features such... ..operating system, the Window System Services provide the base functionality for creating and managing a **graphical** user interface (GUI) -- detecting user actions, managing windows on the display, and displaying information in... ..desktop allowing you to place documents on the desktop, launch applications by clicking on a **graphical** icon, or discard files by dragging them onto a picture of a waste basket. Most... ..3270-style field used to display or input textual data, or it may be a **graphical** field such as a check box, a list box or an **image**. Form Services provide support for.

70

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A major advantage of the **graphical** user interface is the fact that it allows multiple windows to be open at one... and interact with applications and documents made up of varying data types, such as text, **graphics**, and audio. These services also provide support for navigation within and across documents no matter... can be used to control the positioning and formatting of a document's text and **images**. SGML is used for large, complex, and highly

78

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81

Leading VRML plug-ins include Cosmo Player from Silicon **Graphics**

(<http://www.sgi.com/cosmoplayer>), Liquid Reality from Microsoft's DimensionX subsidiary (<http://www.microsoft. ....> animated objects and supports hyperlinks to multimedia formats such as audio clips, video files, and **graphical images**. As users maneuver through VRML worlds, the landscape shifts to match their movements and give... based documents that included headings, bulleted lists, and hyperlinks to dynamic pages that support rich **graphic images** and virtual reality. So what next for the Web? The answer resides in a Synchronized... The language enables Web authors to sort multimedia content into separate audio, video, text, and **image** files and streams which are sent to a user's browser. The SMEL tags then... created out of smaller, less bandwidth-consuming components.

82

Implementation considerations

Many features such as **graphics**, frames, etc. supported by Web Browsers today were not available in initial releases. Furthermore, with... to Visual C++, VJ++ allows the construction of Java and ActiveX applications through an integrated **graphical** development environment.

IBM VisualAge for Java - a product similar to VisualAge for Smalltalk, VJ++ allows the construction of Java applications through an integrated **graphical** development environment. It supports JavaBeans. Used by Eagle team for the Eagle JavaBeans reference application...The HTML standard and popular browsers provide hyperlinking



services for non-text items such as **graphics**.

**Image** N14p is also similar to the hypertext menu above, but selections are represented as a series of pictures. A further evolution of the **image** map menu is to display an **image** depicting some place ...Virtual Reality - A virtual reality or a virtual environment interface takes the idea of an **image** map to the next level by creating a 3-dimensional (3-D) environment for the... ...can create a more user-friendly interface, enabling the user to find information faster.

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Exemplary products that may be used to implement this component include Silicon **Graphics** Open Inventor; VREAM VRcreator; DimensionX Liquid Reality.

There are many toolkits and code libraries available to speed development of applications utilizing Reality services. Below are some representative products.

90

Silicon **Graphics** Open Inventor - an object-oriented 3-D toolkit used to build interactive 3-D **graphics** using objects such as cameras, lights and 3-D viewers; provides a simple event model... ..and on-screen previewing of paper or photographic documents which contain screen data, application data, **graphics** or **images** .

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Printing services must take into consideration varying print scenarios common in Netcentric environments, including: varying **graphics**/file types (Adobe PDF, GIF, JPEG), page margins and breaks, HTML constructs including tables and... ..is important to consider how well a product integrates with desktop tools (word processing, spreadsheet, **graphics** etc.) and application development programs. These items can be used to extend the capabilities of...Depending on the configuration (real time vs. nightly replication, etc.), there is a potential to **reduce** communications costs since the data access is local.

#### Is scalability an issue?

With users, data... ..users do not have to remotely access the master database. This is especially true for **image** and document data which cannot be quickly accessed from a central site. Making automatic copies...as a collection of objects potentially of different types (e.g., structured data, unstructured data, **images**, multimedia) a business user deals with. An individual document might be a table created using... created by others. Documents can be comprised of many different data types, including text, charts, **graphics**, or even audio and video.

#### Security 1410

Documents should be accessed exclusively through the document...acceptance as the Internet mechanism for sending E-mail containing various multimedia parts, such as **images**, audio files, and movies. S/1

4fl

4E, or secure MIME adds encryption and enables...manually searching for content they want and "pulling" it back to the desktop via a **graphical** browser. But in the push model, on which subscription servers are based on, content providers... ..These services are responsible for collecting, processing, formatting, and writing report information (for example, data, **graphics**, text).

Report Distribution Services. These services are responsible for printing, or otherwise distributing, the reports...Collect the information. This function is responsible for collecting the information (for example, data, text, **image**, **graphics**) that is required for the report. This function would utilize the Information Access Services component...would provide support for online preview of reports through software located on the intelligent 6. **Graphical** User Interface: The architecture should provide users with a **graphical** user interface.

7. Bilingual Support: For companies where two or more languages are used, the...built from low-level user interface controls. The reason for the dashed arrow in the **diagram** above is a subtle one. It points to the fact that earlier in the development... ..complete sense given their direct tie to user controlled business processes.

Figure 40 is a **diagram** of the Eagle Application Model which illustrates how the different types of Partitioned Business Components...

**Dialog eLink:** [Order File History](#)

23/3K/9 (Item 8 from file: 349)

DIALOG(R)File 349: PCT FULLTEXT

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00784136

**A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR BUSINESS LOGIC SERVICES PATTERNS IN A NETCENTRIC ENVIRONMENT**

SYSTEME, PROCEDE ET ARTICLE DE FABRICATION POUR STRUCTURES DE SERVICES DE LOGIQUE DE COMMERCE DANS UN ENVIRONNEMENT S'ARTICULANT AUTOUR DE L'INTERNET

**Patent Applicant/Patent Assignee:**

- **ACCENTURE LLP**

1661 Page Mill Road, Palo Alto, CA 94304; US; US(Residence); US(Nationality)

**Inventor(s):**

- **BOWMAN-AMUAH Michel K**

6426 Peak Vista Circle, Colorado Springs, CO 80918; US

**Legal Representative:**

- **HICKMAN Paul L(agent)**

Oppenheimer Wolff & Donnelly, LLP, 38th Floor, 2029 Century Park East, Los Angeles, CA 90067-3024; US;

	Country	Number	Kind	Date
Patent	WO	200116728	A2-A3	20010308
Application	WO	2000US24197		20000831
Priorities	US	99387658		19990831

**Designated States:** (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG,  
BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE,  
DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IS, JP, KE, KG, KP,  
KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,  
MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL,  
PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,  
TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA,  
ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;  
GR; IE; IT; LU; MC; NL; PT; SE;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML;  
MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;  
UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Language** Publication Language: English

Filing Language: English

Fulltext word count: 150863

**Detailed Description:**

...National Center for Supercomputing Applications (NCSA) released a Web browser called "Mosaic" that implemented a **graphical** user interface (GUI). Mosaic's **graphical** user interface was simple to learn yet powerful. The Mosaic browser allows a user to... ...thereof Such description makes reference to the annexed drawings wherein.

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Figure 13...and/or user interface designs to a User Interface Component;

6

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23/3K/10 (Item 9 from file: 349)  
DIALOG(R)File 349: PCT FULLTEXT  
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00784135

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A LOCALLY ADDRESSABLE INTERFACE  
IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT  
SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION METTANT EN OEUVRE UNE INTERFACE ADRESSABLE  
LOCALEMENT DANS UN ENVIRONNEMENT DE CONFIGURATIONS DE SERVICES DE COMMUNICATION

**Patent Applicant/Patent Assignee:**

- **ACCENTURE LLP**  
1661 Page Mill Road, Palo Alto, CA 94304; US; US(Residence); US(Nationality)

**Inventor(s):**

- **BOWMAN-AMUAH Michel K**  
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09967-3024; US;

	Country	Number	Kind	Date
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	Country	Number	Kind	Date
Patent	WO	200116727	A2-A3	20010308
Application	WO	2000US24189		20000831
Priorities	US	99387064		19990831

**Designated States:** (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY,  
CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI,  
GB, GE, GH, GM, HR, HU, ID, IL, IS, JP,  
KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,  
LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ,  
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL,  
TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;  
GR; IE; IT; LU; MC; NL; PT; SE;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML;  
MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;  
UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Language** Publication Language: English

Filing Language: English

Fulltext word count: 151048

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The W3C also approved the specification for version 4.0 of HTML (http://www.w3... ..specification called the Document Object Model DOM The DOM categorizes Web page elements--including text, **images**, and links--as objects and specifies the attributes that are associated with each object. The ...Language (VRML--pronounced "ver-mul"). VRML is technically not a markup language because it uses **graphical** rather than text-based file formats.

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Leading VRML plug-ins include Cosmo Player from Silicon **Graphics** (http://Hvrm.sgi.com/cosmoplayer), Liquid Reality from Microsoft's DimensionX subsidiary (http://HNvww.microsoft... ..animated objects and supports hyperlinks to multimedia formats such as audio clips, video files, and **graphical images**. As users maneuver through VRML worlds, the landscape shifts to match their movements and give... ..based documents that included headings, bulleted lists, and hyperlinks to dynamic pages that support rich **graphic images** and virtual reality. So what next for the Web? The answer resides in a Synchronized... ..The language enables Web authors to sort multimedia content into separate audio, video, text, and **image** files and streams which are sent to a user's browser. The SMIL tags then... ..be created out of smaller, less bandwidth-consuming components.

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Many features such as **graphics**, frames, etc. supported by Web Browsers today were not available in initial releases. Furthermore, with... ..to Visual C++, VJ++ allows the construction of Java and ActiveX applications through an integrated **graphical** development environment.

IBM VisuatAge for Java - a product similar to VisualAge for Smalltalk, VJ++ allows the construction of Java applications through an integrated **graphical** development environment. It supports JavaBeans. Used by Eagle team for the Eagle JavaBeans reference application...HTML st andard and popular browsers provide hyperlinking services for non-text items such as **graphics**.

**Image** MgR is also similar to the hypertext menu above, but selections are represented as a series of pictures. A further evolution of the **image** map menu, is to display an **image** depicting some place or thing (e.g., a picture of a bank branch with tellers... ..Reality - A virtual reality or a virtual envirom-nent interface takes the idea of an **image** map to the next level by creating a 3-dimensional (3-D) environinent for the... ..a more user-friendly interface, enabling the user to find information faster.

#### 1 5

An **image** map menu can be useful where all users share some visual model for how business... ..engaging, but also painfully slow if even a moderate speed communications connection is required. Additional **Image** Map Services are required to map the location of user mouse clicks within the **image** to the corresponding page or window which is to be launched.

Exemplary products that may be used to implement this component include Silicon **Graphics** Open Inventor; VREAM VRcreator; DimensionX Liquid Reality.

89

There are many toolkits and code libraries... ..development of applications ilizing Reality services. Below are some representative products.

uti 1 1

Silicon **Graphics** Open Inventor - an object-oriented 3-D toolkit used to build interactive 3-D **graphics** using objects such as cameras, lights and 3-D viewers; provides a simple event model... ..and on-screen previewing of paper or photographic documents which contain screen data, application data, **graphics** or **images** .

Implementation considerations

Printing services must take into consideration varying print scenarios common in Netcentric environments, including: varying **graphics**/file types (Adobe YDF, GIF, JPEG), page margins and breaks, HTML constructs including tables and...is important to consider how well a product integrates with desktop tools (word processing, spreadsheet, **graphics** etc.) and application development programs. These items can be used to extend the capabilities of...can still access the local copy of the database.

Is there a business need to **reduce** communication costs?

Depending on the configuration (real time vs. nightly replication, etc.), there is a... ..users do not have to remotely access the master database. This is especially true for **image** and document data which cannot be quickly accessed from a central site. Making automatic copies...as a collection of objects potentially of different types (e.g., structured data, unstructured data, **images**, multimedia) a business user deals with. An individual document might be a table ...created by others. Documents can be comprised of many different data types, including text, charts, **graphics**, or even audio and video.

Security 1410

Documents should be accessed exclusively through the document...acceptance as the Internet mechanism for sending E-mail containing various multimedia parts, such as **images**, audio files, and movies. S/MIT

4E, or secure MWE adds encryption and enables a...manually searching for content they want and "pulling" it back to the desktop via a **graphical** browser. But in the push model, on which subscription servers are based on, content providers...These services are responsible for collecting, processing, formatting, and writing report information (for example, data, **graphics**, text).

Report Distribution Services. These services are responsible for printing, or otherwise distributing, the reports... ..Collect the information. This function is responsible for collecting the information (for example, data, text, **image**, **graphics**) that is required for the report. This function would utilize the Infor-nation Access Services...itself-would provide support for online preview of reports through software located on the intelligent . **Graphical** User Interface: The architecture should provide users with a **graphical** user interface.

7. Bilingual Support: For companies where two or more languages are used, the...built from low-level user interface controls. The reason for the dashed arrow in the **diagram** above is a subtle one. It points

to the fact that earlier in the development... ..complete sense given their direct tie to user controlled business processes.

Figure 40 is a **diagram** of the Eagle Application Model which illustrates how the different types of Partitioned Business Components...

**Dialog eLink:** [Order File History](#)

23/3K/11 (Item 10 from file: 349)

DIALOG(R)File 349: PCT FULLTEXT

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00784131

**A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A MULTI-OBJECT FETCH COMPONENT  
IN AN INFORMATION SERVICES PATTERNS ENVIRONMENT**

**SYSTEME, PROCEDE ET ARTICLE MANUFACTURE POUR COMPOSANT DE RECUPERATION MULTI-OBJET  
DANS UN ENVIRONNEMENT CARACTERISE PAR DES SERVICES D'INFORMATIONS**

**Patent Applicant/Patent Assignee:**

- **ACCENTURE LLP**  
1661 Page Mill Road, Palo Alto, CA 94304; US; US(Residence); US(Nationality)

**Inventor(s):**

- **BOWMAN-AMUAH Michel K**  
6426 Peak Vista Circle, Colorado Springs, CO 80918; US

**Legal Representative:**

- **HICKMAN Paul L(agent)**  
Oppenheimer Wolff & Donnelly LLP, Suite 3800, 2029 Century Park East, Los Angeles, CA 90067; US;

	Country	Number	Kind	Date
Patent	WO	200116723	A2-A3	20010308
Application	WO	2000US24083		20000831
Priorities	US	99386238		19990831

**Designated States:** (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)  
AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY,  
CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE,

ES, FI, GB, GE, GH, GM, HR, HU, ID, IL,  
IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG,  
SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,  
UZ, VN, YU, ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;  
GR; IE; IT; LU; MC; NL; PT; SE;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML;  
MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;  
UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Language** Publication Language: English

Filing Language: English

Fulltext word count: 150940

#### Detailed Description:

...National Center for Supercomputing Applications (NCSA) released a Web browser called "Mosaic" that implemented a **graphical** user interface (GUI). Mosaic's **graphical** user interface was simple to learn yet powerful. The Mosaic browser allows a user to... ..thereof Such description makes reference to the annexed drawings wherein.

Figure 1 is a schematic **diagram** of a hardware implementation of one embodiment of the present invention;

Figure 2 is a flow **diagram** illustrating a high level overview of an architecture;

Figure 3 shows the dependencies of three... ..delivery vehicle matrix;

Figure 5 illustrates a Delivery Vehicle Cube;

Figure 6 is a flow **diagram** depicting considerations to be taken into consideration when identifying the core technologies to be used...in accordance with one embodiment of the present invention;

Figure 11 is a detailed **diagram** of some of the components of the Netcentric Architecture Framework found in Figure 10;

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4

Figure 13... ..and/or user interface designs to a User Interface Component;

6

Figure 40 is a **diagram** of an Application Model which illustrates how the different types of Partitioned Business Components might... ..environment;

Figure 52 illustrates a business process to object mapping;

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Figure 53 is a **diagram** which illustrates a graph of resilience to change; Figure 54 illustrates a flowchart for a... class in accordance with an embodiment of the present invention;

Figure 56 illustrates a class **diagram** of the batch job hierarchy;

Figure 57 illustrates an object interaction graph of a possible implementation of the class **diagram** of Figure 56;

Figure 58 illustrates a flowchart for a method for controlling access to...97 shows a request that returns a large amount of data;

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11

Figure 99 illustrates a message trace **diagram** showing the interactions between a Client and a Server using Paging Communication to satisfy the...device, a desktop PC, and a telecommunications device;

Figure 125 illustrates an activity entity relationship **diagram**;

Figure 126 illustrates a roles and responsibilities **diagram**;

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...129 illustrates widgets with their validation requirements;

Figure 130 illustrates a user interface validator association **diagram** ;

Figure 131 illustrates a validation rule class **diagram**;

Figure 132 illustrates a rule validation interaction **diagram**;

Figure 133 illustrates a flowchart for a method for assigning a view to an activity... successful in accordance with an embodiment of the present invention;

Figure 137 illustrates an operation **diagram** depicting an example of pre-conditions and post conditions;

Figure 138 illustrates a flowchart for... a security profile throughout k nestedserviceinvocationson-distributedcomponentsinaccordancewithanembodimentofthe present invention;

Figure 153 illustrates a component interaction **diagram** showing an interaction between a number of components in a financial system;

Figure 154 illustrates a user manger/user context relationship **diagram**;

Figure 155 illustrates a flowchart for a method for translating an object attribute to and... the other related objects

using the multi object fetch results;

Figure 169 is an interaction **diagram** showing when the multi object fetch is not used;

17

Figure 170 illustrates a flowchart... system.

Objects can represent elements of the computer-user environment such as windows, menus or **graphics** objects.

An object can represent an inventory, such as a personnel file or a table...solving other problems with a program that executed in just one way.

The development of **graphical** user interfaces began to turn this procedural programming arrangement inside out. These interfaces allow the...across different platforms or protocols.



The use of architecture frameworks during analysis and design can **reduce** the **risks** of an IT solution. It should improve development productivity through reuse, as well as the...Visual Basic or PowerBuilder) is decided upon, the use of Netcentric concepts to produce significant **reductions** in software packaging and distribution costs should be considered. Such concepts include three- or multi...presentation of data (text, sound, video, etc.).

The ability to digitize, organize, and deliver textual, **graphical** and other information (e.g., video, audio, etc.) in addition to traditional data to a...logical areas is provided below. See also Figures 11 and 12, which are detailed **diagrams** of the components of the Netcentric Architecture Framework found in Figure 10.

Netcentric Computing Top... can reside on both client and server. Clients are typically PCs or Workstations with a **graphical** user interface running in a Web browser. Servers are usually implemented on UNIX, NT or... of a character-based interface. That is, it allows PC-based clients to introduce a **graphical** user interface (GUI) into the application environment.

Allows rapid development "out-of-the-box"

Decreased... operating system, the Window System Services provide the base functionality for creating and managing a **graphical** user interface (GUI) -- detecting user actions, managing windows on the display, and displaying information in... ..desktop allowing you to place documents on the desktop, launch applications by clicking on a **graphical** icon, or discard files by dragging them onto a picture of a waste basket. Most... ..3270-style field used to display or input textual data, or it may be a **graphical** field such as a check box, a list box or an **image**. Fonn Services provide support for.

Display - support the display of various data types (e.g...to determine how well the product integrates with other design and development tools, presentation services (**graphics**, multi-media, etc.), data access services (databases and database API libraries), distribution' services (distributed TP...server development tools such as Visual Basic and PowerBuilder do not 'de specific services for **graphical** navigation, but the effect can be recreated by selecting provi (i.e., clicking on) **graphical** controls, such as picture controls or iconic push-buttons, programmed to launch a particular window.

A major advantage of the **graphical** user interface is the fact that it allows multiple windows to be open at one... ..and interact with applications and documents made up of varying data types, such as text, **graphics**, and audio. These services also provide support for navigation within and across documents no matter... ..can be used to control the positioning and formatting of a document's text and **images**. SGML is used for large, complex, and highlystructured documents that are subject to frequent revisions... ones. Basic features supported by HTML include headings, lists, paragraphs, tables, electronic forms, in-line **images** ( **images** next to text), and hypertext links. Enhancements to the original HTML 1.0 specification include banners, the applet tag to support Java, **image** maps, and text flow around **images** .

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88

Exemplary products that may be used to implement this component include Silicon **Graphics** Open Inventor; VREAM VRcreator; DimensionX Liquid Reality.

There are many toolkits and code libraries available to speed development of applications utilizing Reality services. Below are some representative products.

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Report Distribution Services. These services are responsible for printing, or otherwise distributing, the reports....Collect the information. This function is responsible for collecting the information (for example, data, text, **image**, **graphics**) that is required for the report. This function would utilize the Information Access Services component...itself would provide support for online preview of reports through software located on the intelligent . **Graphical** User Interface: The architecture should provide users with a **graphical** user interface.

7. Bilingual Support: For companies where two or more languages are used, the... house the majority of the business processing logic on the server, supporting the thin-client **model**. However, as technology evolves, this balance is beginning to shift, allowing business logic code bundled...built from low-level user interface controls. The reason for the dashed arrow in the **diagram** above is a subtle one. It points to the fact that earlier in the development...complete sense given their direct tie to user controlled business processes.

Figure 40 is a **diagram** of the Eagle Application Model which illustrates how the different types of

## Partitioned Business Components...

### **Dialog eLink:** [Order File History](#)

23/3K/12 (Item 11 from file: 349)

DIALOG(R)File 349: PCT FULLTEXT

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00784126

**SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR AN EXCEPTION RESPONSE TABLE IN ENVIRONMENT SERVICES PATTERNS**  
SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION DESTINES A UNE TABLE DE REPONSE D'EXCEPTION DANS DES CONFIGURATIONS DE SERVICES D'ENVIRONNEMENT

### **Patent Applicant/Patent Assignee:**

- **ACCENTURE LLP**

1661 Page Mill Road, Palo Alto, CA 94304; US; US(Residence); US(Nationality)

### **Inventor(s):**

- **BOWMAN-AMUAH Michel K**

6426 Peak Vista Circle, Colorado Springs, CO 80918; US

### **Legal Representative:**

- **HICKMAN Paul L(et al)(agent)**

Oppenheimer Wolff & Donnelly LLP, 38th Floor, 2029 century Park East, Los Angeles, CA 90067-3024; US;

	Country	Number	Kind	Date
Patent	WO	200116706	A2-A3	20010308
Application	WO	2000US24086		20000831
Priorities	US	99387873		19990831

**Designated States:** (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR,  
BY, BZ, CA, CH, CN, CU, CZ, DE, DK, DZ,  
EE, ES, FI, GB, GE, GH, GM, HR, HU, ID,  
IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK,  
LR, LS, LT, LU, LV, MD, MG, MK, MN, MW,  
MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE,

SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG,  
UZ, VN, YU, ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;  
GR; IE; IT; LU; MC; NL; PT; SE;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML;  
MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;  
UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Language** Publication Language: English

Filing Language: English

Fulltext word count: 150318

#### Detailed Description:

...National Center for Supercomputing Applications (NCSA) released a Web browser called "Mosaic" that implemented a **graphical** user interface (GUI). Mosaic's **graphical** user interface was simple to learn yet powerful. The Mosaic browser allows a user to... ..thereof Such description makes reference to the annexed drawings wherein.

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14

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An **image** map menu can be useful where all users share some visual model for how business... ..engaging, but also painfully slow if even a moderate speed communications connection is required. Additional **Image** Map Services are required to map the location of user mouse clicks within the **image** to the corresponding page or window which is to be launched.

89

Exemplary products that may be used to implement this component include Silicon **Graphics** Open Inventor; VREAM VRcreator; DimensionX Liquid Reality.

There are many toolkits and code libraries available to speed development of applications utilizing Reality services. Below are some representative products.

Silicon **Graphics** Open Inventor - an object-oriented 3-D toolkit used to build interactive 3-D **graphics** using objects such as cameras, lights and 3-D viewers; provides a simple event model... ..and on-screen previewing of paper or photographic documents which contain screen data, application data, **graphics** or **images**.



### Implementation considerations

Printing services must take into consideration varying print scenarios common in Netcentric environments, including: varying **graphics**/file types (Adobe.PDF,.GIF,.JPEG), page margins and breaks, HTML constructs including tables and...is important to consider how well a product integrates with desktop tools (word processing, spreadsheet, **graphics** etc.) and application development programs. These items can be used to extend the capabilities of...users do not have to remotely access the master database. This is especially true for **image** and document data which cannot be quickly accessed from a central site. Making automatic copies...as a collection of objects potentially of different types (e.g., structured data, unstructured data, **images**, multimedia) a business user deals with. An individual document might be a table created using...created by others. Documents can be comprised of many different data types, including text, charts, **graphics**, or even audio and video.

### Security 1410

Documents should be accessed exclusively through the document... acceptance as the Internet mechanism for sending E-mail containing various multimedia parts, such as **images**, audio files, and movies. S/I

41ME, or secure MIME adds encryption and enables a... manually searching for content they want and "pulling" it back to the desktop via a **graphical** browser. But in the push model, on which subscription servers are based on, content providers... ..services are responsible for collecting, processing, formatting, and writing report information (for example, data, **graphics**, text).

Report Distribution Services. These services are responsible for printing, or otherwise distributing, the reports...Collect the information. This function is responsible for collecting the information (for example, data, text, **image**, **graphics**) that is required for the report. This function would utilize the Information Access Services component...itself would provide support for online preview of reports through software located on the intelligent . **Graphical** User Interface: The architecture should provide users with a **graphical** user interface.

7. Bilingual Support: For companies where two or more languages are used, the... built from low-level user interface controls. The reason for the dashed arrow in the **diagram** above is a subtle one. It points to the fact that earlier in the development... ..complete sense given their direct tie to user controlled business processes.

Figure 40 is a **diagram** of the Eagle Appli cation Model which illustrates how the different types of Partitioned Business ...

**Dialog eLink:** [Order File History](#)

23/3K/13 (Item 12 from file: 349)

DIALOG(R)File 349: PCT FULLTEXT

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00784125

**SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR PIECEMEAL RETRIEVAL IN AN INFORMATION SERVICES PATTERNS ENVIRONMENT**

SYSTEME, PROCEDE ET ARTICLE DE FABRICATION DESTINES A LA RECHERCHE FRAGMENTAIRE DANS UN ENVIRONNEMENT DE MODELES DE SERVICES D'INFORMATIONS

**Patent Applicant/Patent Assignee:**

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**Legal Representative:**

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Oppenheimer Wolff & Donnelly, LLP, 38th Floor, 2029 Century Park East, Los Angeles, CA 90067-3024; US;

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Priorities	US	99386433		19990831

**Designated States:** (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY,  
CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI,  
GB, GE, GH, GM, HR, HU, ID, IL, IS, JP,  
KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,  
LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ,  
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL,  
TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;  
GR; IE; IT; LU; MC; NL; PT; SE;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML;  
MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;  
UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Language** Publication Language: English

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Fulltext word count: 150355

**Detailed Description:**

...National Center for Supercomputing Applications (NCSA) released a Web browser called "Mosaic" that implemented a **graphical** user interface (GUI). Mosaic's **graphical** user interface was simple to learn yet powerful. The Mosaic browser allows a user to... ..thereof. Such description makes reference to the annexed drawings wherein.

Figure 1 is a schematic **diagram** of a hardware implementation of one embodiment of the present invention;

Figure 2 is a flow **diagram** illustrating a high level overview of an architecture;

Figure 3 shows the dependencies of three... ..delivery vehicle matrix;

Figure 5 illustrates a Delivery Vehicle Cube;

Figure 6 is a flow **diagram** depicting considerations to be taken into consideration when identifying the core technologies to be used... ..in accordance with one embodiment of the present invention;

Figure 11 is a detailed **diagram** of some of the components of the Netcentric Architecture Framework found in Figure 10;

Figure 12 is a detailed **diagram** of other components of the Netcentric Architecture Framework found in Figure 10;

4

Figure 13...and/or user interface designs to a User Interface Component;

6

Figure 40 is a **diagram** of an Application Model which illustrates how the different types of Partitioned Business Components might... ..environment;

Figure 52 illustrates a business process to object mapping;

7

Figure 53 is a **diagram** which illustrates a graph of resilience to change; Figure 54 illustrates a flowchart for a... ..class in accordance with an embodiment of the present invention;

Figure 56 illustrates a class **diagram** of the batch job hierarchy;

Figure 57 illustrates an object interaction graph of a possible implementation of the class **diagram** of Figure 56;

Figure 58 illustrates a flowchart for a method for controlling access to...97 shows a request that returns a large amount of data;

Figure 98 shows a **graphical** depiction of a paging communication pattern;

Figure 99 illustrates a message trace **diagram** showing the interactions between a Client and a Server using Paging Communication to satisfy the... ..device, a desktop PC, and a telecommunications device;

Figure 125 illustrates an activity entity relationship **diagram**;

Figure 126 illustrates a roles and responsibilities **diagram**;

Figure 127 illustrates a typical implementation between a user interface and its activity; Figure 128...129 illustrates widgets with their validation requirements;

Figure 130 illustrates a user interface validator association **diagram**;

Figure 131 illustrates a validation rule class **diagram**;  
 Figure 132 illustrates a rule validation interaction **diagram**;  
 Figure 133 illustrates a flowchart for a method for assigning a view to an activity... successful in accordance with an embodiment of the present invention;  
 Figure 137 illustrates an operation **diagram** depicting an example of pre-conditions and post conditions;  
 Figure 138 illustrates a flowchart for... in accordance with an embodiment of the present invention;  
 Figure 153 illustrates a component interaction **diagram** showing an interaction between a number of components in a financial system;  
 Figure 154 illustrates a user manger/user context relationship **diagram**;  
 Figure 155 illustrates a flowchart for a method for translating an object attribute to and... the other related objects using the multi object fetch results;  
 Figure 169 is an interaction **diagram** showing when the multi object fetch is not used;  
 17  
 Figure 170 illustrates a...system.

Objects can represent elements of the computer-user environment such as windows, menus or **graphics** objects.

An object can represent an inventory, such as a personnel file or a table...problems with a program that executed in just one way.

The development of **graphical** user interfaces began to turn this procedural programming arrangement inside out. These interfaces allow the...across different platforms or protocols.

The use of architecture frameworks during analysis and design can **reduce** the **risks** of an IT solution. It should improve development productivity through reuse, as well as the... presentation of data (text, sound, video, etc.).

The ability to digitize, organize, and deliver textual, **graphical** and other information (e.g., video, audio, etc.) in addition to traditional data to a...logical areas is provided below. See also Figures 11 and 12, which are detailed **diagrams** of the components of the Netcentric Architecture Framework found in Figure 10.

Netcentric Computing Top... can reside on both client and server. Clients are typically PCs or Workstations with a **graphical** user interface running in a Web browser. Servers are usually implemented on UNIX, NT or... of a character-based interface. That is, it allows PC-based clients to introduce a **graphical** user interface (GUI) into the application environment.

Allows rapid development "out-of-the-box"

Decreased... operating system, the Window System Services provide the base functionality for creating and managing a **graphical** user interface (GUI) -- detecting user actions, managing windows on the display, and displaying information in... I/O you to place documents on the desktop, launch applications by clicking on a **graphical** icon, or discard files by dragging them onto a picture of a waste

basket. Most... ....3270-style field used to display or input textual data, or it may be a **graphical** field such as a check box, a list box or an **image**. Form Services provide support for.

Display - support the display of various data types (e.g...to determine how well the product integrates with other design and development tools, presentation services (**graphics**, multi-media, etc.), data access services (databases and database API libraries), distribution services (distributed TP...server development tools such as Visual Basic and PowerBuilder do not provide specific services for **graphical** navigation, but the effect can be recreated by selecting (i.e., clicking on) **graphical** controls, such as picture controls or iconic push-buttons, programmed to launch a particular window.

A major advantage of the **graphical** user interface is the fact that it allows multiple windows to be open at one... ..and interact with applications and documents made up of varying data types, such as text, **graphics**, and audio. These services also provide support for navigation within and across documents no matter... ..can be used to control the positioning and formatting of a document's text and **images**. SGML is used for large, complex, and highlystructured documents that are subject to frequent revisions... ..ones. Basic features supported by HTML include headings, lists, paragraphs, tables, electronic forms, in-line **images** ( **images** next to text), and hypertext links. Enhancements to the original HTML 1.0 specification include banners, the applet tag to support Java, **image** maps, and text flow around **images** .

The WX also approved the specification for version 4.0 of HTML  
(<http://www.w3...>called the Document Object

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Model DOM The DOM categorizes Web page elements--including text, **images**, and links--as objects and specifies the attributes that are associated with each object. The... ..Language (VRML--pronounced "ver-mul"). VRML is technically not a markup language because it uses **graphical** rather than text-based file formats.

In order to create 3-D worlds and objects with VRML, users need a VRML editor such as Silicon **Graphics'** Cosmo Worlds (<http://Hcosmo.sgi.com/products/studio/worlds>). To view VRML content, users need... ..plug-in for standard HTML browsers.

Leading VRML plug-ins include Cosmo Player from Silicon **Graphics**  
(<http://Hvml.sgi.com/cosmoplayer>), Liquid Reality from Microsoft's DimensionX subsidiary (<http://www.microsoft...> ..animated objects and supports hyperlinks to multimedia formats such as audio clips, video files, and **graphical images**. As users maneuver through VRML worlds, the landscape shifts to match their movements and give...based documents that included headings, bulleted lists, and hyperlinks to dynamic pages that support rich **graphic images** and virtual reality. So what next for the Web? The answer resides in a Synchronized... ..The language enables Web authors to sort multimedia content into separate audio, video, text, and **image** files and streams which are sent to a user's browser. The SMIL tags then... ..be created out of smaller, less bandwidth-consuming components.

Implementation considerations

Many features such as **graphics**, frames, etc. supported by Web Browsers today were not available in initial releases. Furthermore, with... ..to Visual C++, VJ++ allows the construction of Java and ActiveX applications through an integrated **graphical** development environment.

IBM VisuatAge for Java - a product similar to VisualAge for Smalltalk, VJ++ allows the construction of Java applications through an integrated **graphical** development environment. It supports JavaBeans. Used by Eagle team for the 1 5 Eagle JavaBeans... The HTML standard and popular browsers provide hyperlinking services for non-text items such as **graphics**.

**Image** MM is also similar to the hypertext menu above, but selections are represented as a series of pictures. A further evolution of the **image** map menu is to display an **image** depicting some place or thing (e.g., a picture of a bank branch with tellers...Virtual Reality - A virtual reality or a virtual environment interface takes the idea of an **image** map to the next level by creating a 3-dimensional (3-D) environment for the... ..can create a more user-friendly interface, enabling the user to find information faster.

An **image** map menu can be useful where all users share some visual model for how business... ..engaging, but also painfully slow if even a moderate speed communications connection is required. Additional **Image** Map Services are required to map the location of user mouse clicks within the **image** to the corresponding page or window which is to be launched.

88

Exemplary products that may be used to implement this component include Silicon **Graphics**.

Open Inventor; VREAM VRcreator; DimensionX Liquid Reality.

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Silicon **Graphics** Open Inventor - an object-oriented 3-D toolkit used to build interactive 3-D **graphics** using objects such as cameras, lights and 3-D viewers; provides a simple event model... ..and on-screen previewing of paper or photographic documents which contain screen data, application data, **graphics** or **images** .

Implementation considerations

Printing services must take into consideration varying print scenarios common in Netcentric environments, including: varying **graphics**/file types (Adobe PDF, GIF, JPEG), page margins and breaks, HTML constructs including tables and... ..is important to consider how well a product integrates with desktop tools (word processing, spreadsheet, **graphics** etc.) and application development programs. These items can be used to extend the capabilities of...can still access the local copy of the database.

Is there a business need to **reduce** communication costs?

Depending on the configuration (real time vs. nightly replication, etc.), there is a potential to **reduce** communications costs since the data access is local.

Is scalability an issue?

With users, data... ..users do not have to remotely access the master database. This is especially true for **image** and document data which cannot be quickly accessed from a central site. Making automatic

copies...as a collection of objects potentially of different types (e.g., structured data, unstructured data, **images**, multimedia) a business user deals with. An individual document might be a table created using... created by others. Documents can be comprised of many different data types, including text, charts, **graphics**, or even audio and video.

#### Security 1410

Documents should be accessed exclusively through the document...acceptance as the Internet mechanism for sending E-mail containing various multimedia parts, such as **images**, audio files, and movies. S/MIME, or secure MIME adds encryption and enables a secure...manually searching for content they want and "pulling" it back to the desktop via a **graphical** browser. But in the push model, on which subscription servers are based on, content providers... ..These services are responsible for collecting, processing, formatting, and writing report information (for example, data, **graphics**, text).

Report Distribution Services. These services are responsible for printing, or otherwise distributing, the reports...Collect the information. This function is responsible for collecting the information (for example, data, text, **image**, **graphics**) that is required for the report. This function would utilize the Information Access Services component...itself would provide support for online preview of reports through software located on the intelligent . **Graphical** User Interface: The architecture should provide users with a **graphical** user interface.

7. Bilingual Support: For companies where two or more languages are used, the... house the majority of the business processing logic on the server, supporting the thin-client **model**. However, as technology evolves, this balance is beginning to shift, allowing business logic code bundled...built from low-level user interface controls. The reason for the dashed arrow in the **diagram** above is a subtle one. It points to the fact that earlier in the development... ..complete sense given their direct tie to user controlled business processes.

Figure 40 is a **diagram** of the Eagle Application Model which illustrates how the different types of Partitioned Business Components...

**Dialog eLink:** [Order File History](#)

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00761432

**METHODS, CONCEPTS AND TECHNOLOGY FOR DYNAMIC COMPARISON OF PRODUCT FEATURES AND CUSTOMER PROFILE**  
PROCEDES, CONCEPTS ET TECHNIQUE DE COMPARAISON DYNAMIQUE DE CARACTERISTIQUES D'UN PRODUIT ET DU PROFIL DES CONSOMMATEURS

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BR; BY; CA; CH; CN; CR; CU; CZ; DE; DK;  
DM; DZ; EE; ES; FI; GB; GD; GE; GH; GM;  
HR; HU; ID; IL; IN; IS; JP; KE; KG; KP;  
KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA;  
MD; MG; MK; MN; MW; MX; MZ; NO; NZ; PL;  
PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ;  
TM; TR; TT; TZ; UA; UG; UZ; VN; YU; ZA;  
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**Designated States:** (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG,  
BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK,  
DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM,  
HR, HU, ID, IL, IN, IS, JP, KE, KG, KP,  
KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,  
MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL,  
PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,  
TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA,  
ZW



[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;  
GR; IE; IT; LU; MC; NL; PT; SE;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML;  
MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;  
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[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Language** Publication Language: English

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Fulltext word count: 151011

#### Detailed Description:

...National Center for Supercomputing Applications (NCSA) released a Web browser called "Mosaic" that implemented a **graphical** user interface (QUI). Mosaic's **graphical** user interface was simple to learn yet powerful. The Mosaic browser allows a user to...of operation 28 of Figure 1A;  
4

Figure 1Z is an illustration of an architecture **diagram** for one implementation of operation 28 of Figure 1A;

Figure 1AA is an illustration of an architecture **diagram** for one implementation of operation 28 of Figure 1A;

Figure 1AB is an illustration of an architecture **diagram** for one implementation of operation 28 of Figure 1A;

Figure 1AC is an illustration of an architecture **diagram** for one implementation of operation 28 of Figure 1A;

Figure 1AD is an illustration of an architecture **diagram** for one implementation of operation 28 of Figure 1A;

Figure 1AE is an illustration of an architecture **diagram** for one implementation of operation 28 of Figure 1A;

Figure 1AF is an illustration of an architecture **diagram** for one implementation of operation 28 of Figure 1A;

Figure 1AG is an illustration of an architecture **diagram** for one implementation of operation 28 of Figure 1A;

Figure 1AH is an illustration of an architecture **diagram** for one implementation of operation 28 of Figure 1A;

Figure 1AI is an illustration of an architecture **diagram** for one implementation of operation 28 of Figure 1A;

Figure 1AJ is an illustration of an architecture **diagram** for one implementation of operation 28 of Figure 1A;

Figure 1AK is an illustration of an architecture **diagram** for one implementation of operation 28 of Figure 1A;

Figure 1AL is an illustration of an architecture **diagram** for one implementation of operation 28 of Figure 1A;

Figure 1AM is an illustration of an architecture **diagram** for one implementation of operation 28 of Figure 1A;

Figure 1AN is an illustration of an architecture **diagram** for one implementation of operation 28 of Figure 1A;

Figure 1AO is an illustration of an architecture **diagram** for one implementation of operation 28 of Figure 1A;

Figure 2A is a schematic **diagram** of a hardware implementation of one embodiment of the present invention;

5

Figure 2B is... ..Framework in accordance with one embodiment of the present invention;

Figure 14 is a block **diagram** of a Web Architecture Framework in accordance with one embodiment of the present invention;

Figure...determines the structure and/or organization of a current network framework.

Operation 44 displays a **graphical** depiction of the current network framework and a plurality of components thereof, such as the **graphical** depiction shown in Figure M. A comparative analysis of the vendors is presented with indicia is indicia coded on the **graphical representation** created in operation 44, with the indicia coding corresponding to the vendor of the service...data, printer, file system, disk and serial ports.

0 Product5 j Software- browser-based **graphical** administration tool that provides centralized administration of JavaStation network computers and Java Webtops on PCs...of discussion groups.

Business2 An email server that delivers messages with embedded sound, Messaging Server **graphics**, video files, HTML forms, Java applets, and desktop applications.

Other Directory Business2 sells a range... ..web server. Business3press offers the following capabilities.

WYSIWYG editing

Simple interfaces for creating forms and

**image** maps

Integrated browsing and editing

simultaneously

Check Links" function to fix broken links

"Database interaction...A browser based upon Microsoft's Internet Explorer which supports common internet services such as **graphics**, sound, meta-tags, plug-ins, security, FTP, HTTP.

Client3 Client A software application installed on... ..in the Business3 proxy subsystem improves the performance of a website. Business3 Caching Server detects **images** and automatically compresses them for quick storage and access.

32

Now that the details regarding...0 Objects can represent elements of the computer-user environment such as windows, menus or **graphics** objects.

0 An object can represent an inventory, such as a personnel file or a... other problems with a program that executed in just one way.

37

The development of **graphical** user interfaces began to turn this procedural programming arrangement inside out. These interfaces allow the...up to date

0 To optimize processes

0 To test proof of concept

0 To **reduce risk**

The Release Management team is responsible for.

a Planning the capability release design and development...of design experts not only leads to more creative and attractive user interfaces, but also **reduces the risk** of further alteration to work at a later stage.

b) Usability

Often coupled with Media... ..which, in turn, affects organizational interaction and defines a need for tools integration.

The Process **model** is simple - at its core is the system building process, which is surrounded by eight...manage it correctly. Examples of metadata include.

0 Media type (for example, MPEG video, JPEG **image**)

0 Media settings (for example, sample rate, resolution, compression

...all the way back to the original source (which in the case of finding an **image** in a CD-ROM library containing 10,000 **images**, for example, could be a difficult task). In practice, this may mean storing the original... allowing remote administration of system components.

Security Management

Security management involves.

0 Defining security requirements

**Preventing security breaches**

Limiting the effect of security breaches

Detecting security breaches

Correcting the effect of security breaches...controlled. This ties in closely with Configuration Management.

Testing Change

Thorough testing is required to **reduce the risk** of productivity loss due to environment changes.

Techniques commonly used include.

0 Careful scheduling of...found in the following Andersen Consulting sources.

Delivery Vehicle Frameworks

Network-Centric Architecture Framework

The **Graphical** User Interface Design Guidelines

0 Design Application Architecture

New tools and processes link detailed design ... tests both internally, and by target user groups (by 1 5 using prototypes), helps to **reduce** the **risk** of a poorly received system.

The User Interface has become increasingly important as systems become...a client and a server. The specification tested is the technical design. The application flow **diagram** within the technical design depicts the assemblies, either on-line conversations or batch assemblies, that...9 Productivity tools 1002 provide the basic functionality required to create documents, spreadsheets, and simple **graphics** or **diagrams**

0 Collaborative tools 1004 enable groups of people to communicate and to share information, helping... integrated suites of software, provide the basic functionality required to create documents, spreadsheets, and simple **graphics** or **diagrams**. More recently, the ability to access the Internet and browse electronic documentation has been added to the suite of productivity tools.

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Specifically, productivity tools include.

Spreadsheet

Word Processor

**Graphics** Editor

0 Personal Organizer (may be linked to Group Scheduling)

Methodology Browser

Internet Access

These...a wide angle, upon which participants may 'write' with an infrared pen or a mouse.

**Images** may also be pasted onto the whiteboard.

Regular workstations on a network may also be...indexing of media types (allowing specialized search facilities)

Capabilities for browsing media content (low-res **images**, previews)

0 High performance proprietary file systems (both in terms of speed and volume)

Implementation...process. The Configuration Management tool provides structure for managing the objects, files, and components and **reduces** the **risk** of lost information caused by version problems, or by items not being migrated properly.

114...repository and the Problem Management, Test Planning, and Configuration Management components significantly increases productivity and **reduces** the **risk** of errors.

Product Considerations

a) Are there any Problem Management tools identified?

Problem Management tools... ..system being developed.

They are typically modeling and diagramming tools, which provide the ability to **diagram** system requirements and specify "what" a system must do.

Design tools are used to specify ... ..component models encapsulate the data and process models.

#### Data Modeling

Data Modeling tools provide a **graphical** depiction of the logical data requirements for the system. These tools usually support diagramming entities, relationships, and attributes of the business being modeled on an Entity-Relationship **Diagram** (ERD). Several techniques have evolved to support different methodologies (e.g., Chen, Gane & Sarson, and... ..an object model from the legacy database data model (DDL). By understanding the E-R **diagram** represented by the database, it is easier to create an efficient persistence framework which isolates... specific advanced features supported by each of the RDBMs.

b) Can developers benefit by a **graphical** depiction of the logical and physical data requirements?

Data modeling tools help to graphically develop the... ..tables, columns, primary keys, and foreign keys (if all of this will fit on a **diagram** at the same time !) in the document **Graphical** depiction is not only useful but essential to data architects, DBAs and also to application... ..data model is a technology-independent model of an organization's data requirements consisting of **diagrams** and descriptions of entity types, attribute types, relationship types, and integrity constraints. It is a... ..e.g., IDMS)

Relational (e.g., D132)

Inverted List (e.g., ADABAS)

Although entity-relationship **diagrams** are independent of specific DBMSs or access methods, a logical database design is not. This...support the project decisions regarding consistency.

#### Process Modeling

I 0 Process modeling tools provide a **graphical** depiction of the business functions and processes being supported by a system. The tool(s)... ..The tool may need to support the creation of business function decompositions or data flow **diagrams** depending on the approach used.

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Data flow diagramming is used when the ...be able to support the expected size of the process model.

e) Does the dataflow **diagrammer** support leveling of **diagrams**?

I 5 Some tools allow leveling of the **diagram** in which a process box on a high level **diagram** is decomposed into multiple processes on a lower-level **diagram**. To ensure that the **diagrams** are easy to understand and that they easily convey information, it is useful to keep the **diagram** size to one window or one printed page. The facility to level a large **diagram** can help to achieve this.

J) How does the dataflow **diagrammer** support data stores that are used by more than one process?

It is often the... ..that processes that share a data store cannot be placed near each other on the **diagram**.

To avoid complicating the **diagram**, some tools allow data stores to be depicted more than once on the **diagram**. The tools may provide facilities to differentiate these stores from stores that have not been duplicated in this manner.

g) Can controlflows be represented by the dataflow **diagrammer**?

It may be necessary to depict control flows. The tool may represent these as data ... ..example, a signal from a timer function.

h) Does the tool support validation of the **diagram**?

To ensure that a data flow **diagram** is complete, each process should have at least one input and one output. Unless data... ..detailedprocess model with complexprocesses to be documented?

At the lowest level of a data flow **diagram** or a business function decomposition, there may be processes that are still too complex to... ..be formatted as plain English, structured English (resembling pseudo-code), decision tables, or as action **diagrams**.

#### Event Modeling

1 0 Event modeling tools provide **graphical** depiction of the events and associated responses for the system. A variety of tools and... ..based development, event modeling or interaction sequence  
1 5 modeling may be performed through interaction **diagrams**, both at the object and component level. The event model is often used as input... ..be documented using a tool such as MS Word or MS PowerPoint. Entity life cycle **diagrams**, Event-Stimulus-Response **diagrams** or matrices, or Context **diagrams** may be required to complete the model.

d) Is the system complex?

As the number... ..increases and the diagrammers may need to support certain facilities such as intelligent connectors. Simple **graphics** packages may not suffice at this level.

#### Performance Modeling

The performance of a system must... ..than a spreadsheet model.

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0 Class Definition (1 per class)

Class Interaction or Sequence **Diagram** (1 or more per scenario / workflow)

Class State Transition **Diagram** (1 per class with complex state)

Guidelines for creating object models can be found in... ..advantages such as cross referencing (for example, are all the methods used in the Interaction **diagrams** described in the class definitions?), automatic propagation of changes to other **diagrams**, generation of reports, and generation of skeleton code. However, some tools have problems with.

0... ..than DB-based)

Support of extensions / customizations

As well as providing the usual editing and **graphical** functionalities, a good modeling tool should.

Interface with a repository (to support versioning)

Support multiple... ..to represent the object model is becoming more and more common. In this case other **diagrams** such as Use Cases (from Ivar Jacobson) and Collaborations **Diagrams** complement the

model.

#### Component Modeling

Component modeling can mean either designing components from scratch...highly detailed - even down to the characteristics of a button click (e.g. click-down **image**, click sound, length of click etc.). This way, everyone (including the design teams) can determine...tools and techniques can be used for Application Logic Design.

Examples are structure charts, procedure **diagrams** (module action **diagrams**), and **graphics** packages to illustrate distribution of functions across client and server.

Application Logic Design functionality is... ..and component modeling. The functionality is captured in use cases, scenarios, workflows and/or operations **diagrams** along with interaction **diagrams**/sequence **diagrams**. These are usually produced using MS Word, MS PowerPoint, ABC Flowcharter (Micrografix), or an object...an existing tool provide the required functionality?

The development team may require facilities to produce procedure **diagrams**, flowcharts, or pseudocode. These facilities may already be provided by existing tools, for example, pseudocode... ..design and application processing module design documents.

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#### Database Design

Database design tools provide a **graphical** depiction of the database design for the system. They enable the developer to illustrate the... ..development team exceeds ten people, this design must be formalized. Database design tools provide a **graphic** depiction of the database design for

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a system, whilst at the same time enabling... consistency from design into construction of the database.

#### Presentation Design

Presentation design tools provide a **graphical** depiction of the presentation layer of the application, such as windows, dialogs, pages, navigation and... ..to graphically depict the flow of the windows or screens.

The Control-Action-Response (CAR) **diagram** is a commonly used technique for specifying the design of GUI windows. It is typically... ..to determine how well the product integrates with other design and development tools, presentation services (**graphics**, multi-media, etc.), data access services (databases and database API libraries), distribution services (distributed TP...module design, which can be shared by all developers.

b) Is there a need for a **graphical** depiction of the communication design?

A **graphical** depiction of the communication design may be required. For simple designs, tools such as PowerPoint are normally adequate. Data flow **diagrams** may be used to show how clients send messages to services. The tools used should help developers to ensure that objects in the **diagrams** are linked to the actual objects (Windows, Services, etc.) in the repository. This will maintain... ..spreadsheet package such as Excel may also be used to design message layouts.

For simple **graphical** depictions of the communication design, a tool such as PowerPoint is adequate.

d) Does the... ..perspective, and from the very beginning of the development process.

Usability Testing can help developers.

**Reduce risk** by confirming that they are building the right solution

Identify new system requirements

0 Decrease... ..usage. An alternate form of presentation is through reports. These provide cross-reference listings or **graphical representations** of control or data flows.

### Graphical Representation

**Graphical representation** tools are used to display important system information in a 1 5 form, which is easier to assimilate. These tools may, for example, produce structure charts, database schema **diagrams**, and data layouts. They can also print matrices that indicate relationships between modules and files... ..an object model from the legacy database data model (DDL). By understanding the E-R **diagram** represented by the database, it is easier to create an efficient persistence framework which isolates... ..tools) allows the developer to rapidly design windows and pages using a point and click **graphical** interface. ne relevant source code is subsequently generated from these designs.

The generation of DDL...down into three major media types, each with its own set of tools.

#### 2D/3D Images/Animation

Video

Audio

#### 2D/3D Images/Animation

Tools to handle these **images** range from simple paint packages to highly complex multi-layered animation **graphics** packages. The **images** created by these tools may be pixelbased (bitmaps) or vector-based, each with their own advantages.

Pixel-based tools (traditional **graphics** and **image** processing tools) offer more **image** flexibility especially in terms of color gradation and shading, but produce relatively large files. This format is therefore useful where the use of high-quality textured **images**, or highly colored **images** is important, but where file storage and transmission is not an issue (where the media... ..local to the client application, such as in a kiosk).

Vector-based tools (where the **image** is defined by formulae rather than pixel position) offer much smaller file sizes, and dynamic **image** re-sizing, while producing excellent print quality, but cannot easily handle shading and color gradation... ..are involved, it is important that they are fully integrated into the team.

For both **image** and audio, it is possible to purchase re-usable content from agencies, usually delivered in...

#### Claims:

...THE 41c

FIRST PHASEFigure 1E441DETERMINING A CURRENT NETWORK FRAMEWORK



43DISPLAYING A <B>GRAPHICAL</B> DEPICTION OF THE CURRENT NETWORK  
 44FRAMEWORK AND A PLURALITY OF COMPONENTS THEREOFFPRESENTING A ...  
 ...INDICIA CODING EACH COMPONENT THAT MATCHES A SERVICE 45dOFFERED BY A  
 VENDOR ON THE <B>GRAPHICAL</B> <B>REPRESENTATION</B>Figure 1  
 Fml45DETERMINING AN EXISTING NETWORK FRAMEWORK 46DEFINING A PLAN WHICH  
 INCLUDES...3 Provides NDS compatibility C3 Provides application programming logicStores  
 frequently requested web pages and <B>graphics</B> in a temporary 0Provides mechanism to note and  
 rerimber One or mom preceding location l... ..party0 Provides reporting and logging functions to  
 detect0 Serves requested web pages and <B>graphics</B> from web servers to client communication  
 enrom web browsers E3 Provides adapter or mechanism to... autornsfic beck-ulp nurriber  
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25/3K/1 (Item 1 from file: 348)

DIALOG(R)File 348: EUROPEAN PATENTS

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01886563

**IMPLEMENTATION AND USE OF A PII DATA ACCESS CONTROL FACILITY EMPLOYING PERSONALLY IDENTIFYING INFORMATION LABELS AND PURPOSE SERVING FUNCTION SETS**  
 IMPLEMENTIERUNG UND VERWENDUNG EINER PII-DATENZUGRIFFS-STEUEREINRICHTUNG MIT  
 PERSONLICH IDENTIFIZIERENDEN INFORMATIONS-LABELS UND ZWECK-  
 VERSORGUNGSFUNKTIONSMENGEN  
 IMPLANTATION ET UTILISATION D'UNE FONCTION DE CONTROLE D'ACCES A DES DONNEES  
 D'IDENTIFICATION PERSONNELLE (PII) EMPLOYANT DES ETIQUETTES DE DONNEES D'IDENTIFICATION  
 PERSONNELLE ET DES ENSEMBLES DE FONCTIONS ADAPTEES  
 IMPLEMENTATION AND USE OF A PII DATA ACCESS CONTROL FACILITY EMPLOYING PERSONALLY  
 IDENTIFYING INFORMATION LABELS AND PURPOSE SERVING FUNCTION SETS  
 IMPLEMENTIERUNG UND VERWENDUNG EINER PII-DATENZUGRIFFS-STEUEREINRICHTUNG MIT  
 PERSONLICH IDENTIFIZIERENDEN INFORMATIONS-LABELS UND ZWECK-  
 VERSORGUNGSFUNKTIONSMENGEN  
 ... ET UTILISATION D'UNE FONCTION DE CONTROLE D'ACCES A DES DONNEES D'IDENTIFICATION  
 PERSONNELLE (PII) EMPLOYANT DES ETIQUETTES DE DONNEES D'IDENTIFICATION PERSONNELLE ET  
 DES ENSEMBLES DE FONCTIONS ADAPTEES

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DIALOG(R)File 349: PCT FULLTEXT

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01209285

**IMPLEMENTATION AND USE OF A PII DATA ACCESS CONTROL FACILITY EMPLOYING PERSONALLY IDENTIFYING INFORMATION LABELS AND PURPOSE SERVING FUNCTION SETS**  
IMPLANTATION ET UTILISATION D'UNE FONCTION DE CONTROLE D'ACCES A DES DONNEES D'IDENTIFICATION PERSONNELLE (**PII**) EMPLOYANT DES ETIQUETTES DE DONNEES D'IDENTIFICATION PERSONNELLE ET DES ENSEMBLES DE FONCTIONS ADAPTEES  
**IMPLEMENTATION AND USE OF A PII DATA ACCESS CONTROL FACILITY EMPLOYING PERSONALLY IDENTIFYING INFORMATION LABELS AND PURPOSE SERVING FUNCTION SETS**  
... ET UTILISATION D'UNE FONCTION DE CONTROLE D'ACCES A DES DONNEES D'IDENTIFICATION PERSONNELLE (**PII**) EMPLOYANT DES ETIQUETTES DE DONNEES D'IDENTIFICATION PERSONNELLE ET DES ENSEMBLES DE FONCTIONS ADAPTEES

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CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI;  
GB; GD; GE; GH; GM; HR; HU; ID; IL; IN;  
IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR;  
LS; LT; LU; LV; MA; MD; MG; MK; MN; MW;

MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL;  
PT; RO; RU; SC; SD; SE; SG; SK; SL; SY;  
TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ;  
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#### English Abstract:

A data access control facility is implemented by assigning **personally identifying information** (PII) classification labels to PII data objects, with each PII data object having one PII...

#### French Abstract:

...accès à des données par l'attribution, à des objets de données d'identification personnelle (**PII**), d'étiquettes de classification **PII**, une étiquette de classification étant attribuée à chaque objet de données. De plus, la fonction de contrôle comprend au moins un ensemble de fonctions adaptées (PSFS) de **PII** qui comporte une liste de fonctions d'application permettant de lire et d'écrire des objets de données. Une étiquette de classification est également attribuée à chaque PSFS de **PII**. On accède à un objet de données de **PII** par l'intermédiaire d'une fonction d'application PSFS de **PII** comportant une étiquette de classification de **PII**, identique à celle de l'objet de **PII** ou dominant celle-ci. On attribue à l'utilisateur de la fonction de contrôle un ensemble d'habilitation de **PII** qui contient une liste comprenant au moins une étiquette de classification de **PII** servant à déterminer si l'utilisateur est autorisé à accéder à une fonction particulière.

#### Detailed Description:

##### Description

IMPLEMENTATION AND USE OF A PH DATA ACCESS  
CONTROL FACILITY EMPLOYING **PERSONALLY  
IDENTIFYING INFORMATION** LABELS AND PURPOSE  
SERVING FUNCTION SETS

##### Technical Field

[001] The present invention relates in general... the implementation and use of a conditional access facility which controls access by users to **personally identifying information** (.PII) objects or resources-within an enterprise's computer system.

## Background Art

[0021] Advances in... currently proposed to ensure the correct use of and therefore to control the release of **personally identifying information** from within an enterprise computing facility.

[0031] Traditionally, managing the security of a computer system... data objects. This method includes: assigning P11 classification labels to PR data objects, wherein a **PII** data object has one PH classification label assigned thereto; defining at least one **PII** purpose serving function set (PSFS) comprising a Est of application functions that read, write, or... of the PH classification label of the PIR data object.

[0081] In one embodiment, a **PII** data object is write accessible by an application function of a PH PSFS having a... be write accessible by an application function of a PR PSFS having a list of **PII** reclassifications which are allowed to that P11 PSFS.

[009] In one embodiment, the method includes... a user invoking a particular function of the data access control facility, and assigning a **PII** clearance set to the identified user, wherein the **PII** clearance set comprises a list of one or more PR classification labels for the identified user.

[010] The **PII** classification label assigned to the **PII** data object may include an identification of an owner of the P111 data object.

[011] ... data object may be used.

[012] The method may include the step of initially defining **PII** purposes within an enterprise to use the data access control facility, and employing the **PII** purposes in defining the P111 classification labels assigned to the PH data objects and assigned... of a data access control facility, a particular function, the data access control facility having **personally identifying information** (PR) classification labels assigned to PR data objects and to at least one **PII** purpose serving function set (PSFS), the PSFS including a list of application functions that read... the user of the data access control facility is assigned a P11 clearance set, the **PII** clearance set for the user comprising a list containing at least one **PII** classification label; determining whether the particular function is defined to a PR PSFS of the... control facility, and if so, determining whether the user's PR clearance set includes a **PII** classification label matching the P111 classification label assigned to that **PII** PSFS, and again if so, allowing access to the particular function; and determining whether the ... denying access to the particular function if the particular function is not defined to a **PII** PSFS of the data access control facility, and a current process label (CPQ) has been... for the established process exists, the data access control method may include determining whether the **PII** classification label of the selected data object is equal to or a proper subset of... the particular function is a write operation to the second P11 data object. The second **PII** data object may have a different PH classification label than the PH classification label associated... accompanying drawings in which.

[0291] FIG. 1 depicts one example of an approach for storing **personally identifying information** (PIR) objects with **PII** classification labels assigned thereto for use by a data access control facility, in accordance with... invention; [0321] FIG. 4 is a flowchart of one embodiment of processing implemented by a **PII** data access control facility, in accordance with an aspect of the present invention; [0331] FIG... the Invention

[0371 Presented herein is a data access control facility which provides security for **personally identifying information** (PII). In accordance with this facility, access to P111 information is based on various... ..thereby adding flexibility to and enhancing the security of information processes that require access to **personally identifying information**.

[0391 Broadly stated, disclosed herein (in one aspect) is a technique for implementing a data access control facility, which includes: assigning **personally identifying information** (PII) classification labels to PH objects, with each PR object having one P11 classification label... ..the original owner and specified in the Pff classification label. The purposes for which the **PII** object may be used are embodied within the functions that the user is allowed to... ..process.

[045] PH Data Objects.

[0461 Any resource, document, program, facility, etc. with an associated **PII** classification label. A given PIII object can have only one PH classification label. The owner ... ..reclassifications that are allowed during its execution.

[0781 FIG. I depicts one example of a **personally identifying information** (PH) owner 10 (such as a patient in a hospital enterprise example) entering (or accessing... ..locally connected, for example, an employee. The operating system platform security manager which embodies the **PII** data access control facility that is the subject of this invention, is invoked by the... ..the security manager to determine whether the requesting user is permitted access to the desired **PII** object. The security manager renders a decision based, for example, on the **PII** label associated with the requested object, the PR label associated with the user, and other...occurs from within this process, to assure that PH data is only written to other **PII** labeled data objects that have labels with identical or fewer purposes, or that **PII** data reclassification is allowed using this PSFS with this particular combination of PR data that... ..label that is not defined within the user's PH clearance set and thereby access **PII** objects outside of the scope of the user's P111 clearance set. For example, user1... ..accordance with an aspect of the present invention. Referring to FIG. 4, use of a **PII** control facility begins with a user making a request to a transaction manager 50, to... ..system platform or logically connected to it, is a data access control facility implementing the **personally identifying information** (PIU) concepts disclosed herein. One example of logic for processing the user's attempt to... ..a non-PH protected object from a computer operating system process after having read a **PII** protected object(s) into that process is not allowed.

[0871 Assuming that the object does... ..122. If so, processing proceeds 124 to FIG. 4C. Otherwise, access is denied by the **PII** label processing 134 since the selected object has a PR label and the user is... ..controlled process and the user being allowed to write non-PI1 data into an existing **PII** data object. If 150 yes, then the determination is made 152 whether the label of... ..then processing returns 154 to FIG. 4B with the user being denied access to the **PII** data object. If 153 yes, then processing continues 151 with a return to FIG. 4B... ..particular operational sequence that meets the business needs of an enterprise when working with sensitive **personally identifying information** (PII) objects. Such pre-established and controlled sets of functions and the associated sequence of operation... ..with the present invention allows a user (or computer process) access to different sets of **PII** classified information and functions according to the dynamics of an access event situation, thereby adding flexibility to and enhancing security of information processes that require access to **PII** objects.

[119] The present invention can be included in an article of manufacture (e.g...

**Claims:**

[001] A method of implementing a data access control facility, said method comprising: assigning **personally identifying information (PII)** classification labels to **PII** data objects, wherein a **PII** data object has one PR classification label assigned thereto; defining at least one PH Purpose ... ..write P11 data objects; and assigning a PIT classification label to each PSFS, wherein a **PII** data object is only read accessible via an application function of a PIII PSFS having... ..that is equal to or a proper subset of the P11 classification label of the **PII** data object. [002] . The method of claim 1, wherein a PH data object is write... ..of a data access control facility, a particular function, said data access control facility having **personally identifying information (PII)** classification labels assigned to PIT data objects and at least one PH purpose serving function... ..list of application functions that read, write or reclassify PH data objects, and having a **PII** classification label assigned thereto, and wherein the user of the data access control facility has... ..A system for implementing a data access control facility, said system comprising: means for assigning **personally identifying information (PR)** classification labels to **PII** data objects, wherein a **PII** data object has one PIEI classification label assigned thereto; means for defining at least one... ..purpose serving function set (PSFS) comprising a Est of application functions that read or write **PII** data objects; and means for assigning a PR classification label to each PSFS, wherein a... ..of a data access control facility, a particular function, said data access control facility having **personally identifying information (PII)** classification labels assigned to PIEI data objects and at least one PIEI purpose serving function... ..to perform a method of implementing a data access control facility, said method comprising: assigning **personally identifying information (PR)** classification labels to PH data objects, wherein a PH data object has one PH... ..of a data access control facility, a particular function, said data access control facility having **personally identifying information (PII1)** classification labels assigned to PR data objects and at least one Piff purpose serving... ..list of application functions that read, write or reclassify PIJ data objects, and having a **PII** classification label assigned thereto, and wherein the user of the data access control facility has... ..clearance set, the PR clearance set for the user comprising alist containing at least one **PII** classification label; (ii) determining whether the particular function is defined to a PH PSFS of ...

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DIALOG(R)File 349: PCT FULLTEXT

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01135938

**2-(1H-INDAZOL-6-YLAMINO)-BENZAMIDE COMPOUNDS AS PROTEIN KINASES INHIBITORS USEFUL FOR THE TREATMENT OF OPHTHALMIC DISEASES**

COMPOSES DE 2-(1H-INDAZOL-6-YLAMINO)-BENZAMIDES EN TANT QU'INHIBITEURS DE PROTEINES KINASES UTILES POUR LE TRAITEMENT DE MALADIES OPHTALMIQUES



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- ...Designated only for: US)
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- **LUMB J Trevor(et al)(agent)**  
Pfizer Inc., c/o Jackie Lawrence, Eastern Point Road MS8260-1615, Groton, CT 06340; US;

	Country	Number	Kind	Date
Patent	WO	200456806	A1	20040708
Application	WO	2003IB5854		20031208
Priorities	US	2002434902		20021219

**Designated States:** (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG,  
BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ,  
DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB,  
GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,  
JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,  
LT, LU, LV, MA, MD, MG, MK, MN, MW, MX,  
MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO,  
RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN,  
YU, ZA, ZM, ZW

[EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;  
FI; FR; GB; GR; HU; IE; IT; LU; MC; NL;  
PT; RO; SE; SI; SK; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;  
ML; MR; NE; SN; TD; TG;

[AP] BW; GH; GM; KE; LS; MW; MZ; SD; SL; SZ;  
TZ; UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Language** Publication Language: English

Filing Language: English

Fulltext word count: 38160

**Detailed Description:**

...of the retinal vascular in rats occurs from postnatal day 1 to postnatal day 14 (P11-P14). This process is dependent on the activity of VEGIF (J. Stone, 5 et al...

**Dialog eLink:** [Order File History](#)

25/3,K/4 (Item 1 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0018763515 & *Drawing available*

WPI Acc no: 2009-F35448/200917

**Computer application system's meta-tagged data objects and list of terms association providing method, involves creating association between system data object and terms to which meta-tag is mapped**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: BRODIE C; **BROWN N**; KARAT C; KARAT J; MALKIN P

Patent Family ( 1 patents, 1 & countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20090055887	A1	20090226	US 2007841274	A	20070820	200917	B

Priority Applications (no., kind, date): US 2007841274 A 20070820

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 20090055887	A1	EN	13	6	

**Original Titles:**PRIVACY ONTOLOGY FOR IDENTIFYING AND CLASSIFYING PERSONALLY

**IDENTIFIABLE INFORMATION AND A RELATED GUI ...Inventor: BROWN N Alerting**

**Abstract** ...to navigate data objects in the computer application system using ontology to identify and classify **personally identifiable information**. Original Publication Data by AuthorityArgentina**Publication No.** ...Inventor name & address:**Brown, Nigel**

**Dialog eLink:** [Order File History](#)

25/3,K/5 (Item 2 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0018758983 & & *Drawing available*

WPI Acc no: 2009-F28690/200917

**System's meta tagged data objects and terms association providing system for use in user interface system, has processor for creating association between system data object and terms, and data store storing association**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: BRODIE C; **BROWN N**; KARAT C; KARAT J; MALKIN P

Patent Family ( 1 patents, 1 & countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20090055431	A1	20090226	US 2007841298	A	20070820	200917	B

Priority Applications (no., kind, date): US 2007841298 A 20070820

Patent Details

Patent Number	Kind	Lang	Pgs	Draw	Filing Notes
US 20090055431	A1	EN	13	6	

**Original Titles:**PRIVACY ONTOLOGY FOR IDENTIFYING AND CLASSIFYING **PERSONALLY**

**IDENTIFIABLE INFORMATION AND A RELATED GUI ...Inventor: BROWN N**Original

Publication Data by AuthorityArgentina**Publication No.** ...Inventor name & address:**Brown, Nigel**

**Dialog eLink:** [Order File History](#)

25/3,K/6 (Item 3 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0014848441 & & *Drawing available*

WPI Acc no: 2005-196143/200520

XRPX Acc No: N2005-161947

**Data access control facility implementing method used in enterprise environment, involves assigning label to personal identifying information-function set, that is equal to or subset of label**

# of corresponding data object

Patent Assignee: IBM UK LTD (IBM); INT BUSINESS MACHINES CORP (IBM); IBM CORP (IBM)

Inventor: BETZ L; DAYKA J; DAYKA J C; FARRELL W; FARRELL W B; GUSKI R; GUSKI R H; KARJOTH G; NELSON M; NELSON M A; PFITZMANN B; PFITZMANN B M; SCHUNTER M; WAIDNER M; WAIDNER M P; SCHENTER M

## Patent Family ( 8 patents, 107 & countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 2005017720	A1	20050224	WO 2004EP51803	A	20040816	200520	B
US 20050044409	A1	20050224	US 2003643798	A	20030819	200520	E
EP 1660967	A1	20060531	EP 2004766505	A	20040816	200636	E
			WO 2004EP51803	A	20040816		
KR 2006061820	A	20060608	WO 2004EP51803	A	20040816	200674	E
			KR 2006702726	A	20060208		
CN 1836195	A	20060920	CN 200480023664	A	20040816	200706	E
JP 2007503035	W	20070215	WO 2004EP51803	A	20040816	200715	E
			JP 2006523632	A	20040816		
US 20070250913	A1	20071025	US 2003643798	A	20030819	200771	E
			US 2007764487	A	20070618		
US 7302569	B2	20071127	US 2003643798	A	20030819	200780	E

Priority Applications (no., kind, date): US 2003643798 A 20030819; US 2007764487 A 20070618

					Filed Dom OPI patent	WO 2005017720
JP 200750085	Kind	Lang	Pgs	Draw	PCT Application	Filing Notes
WO 2005017720	A1	EN	35	4	Based on OPI patent	WO 2005017720
US 20070250913	AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ					
National Designated States, Original	DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE					
	KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA					
	NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT					
	TZ UA UG US UZ VC VN YU ZA ZM ZW					
Regional Designated States, Original	AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GR HU IE IT KE					
	LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM					
	ZW					
EP 1660967	A1	EN			PCT Application	WO 2004EP51803
					Based on OPI patent	WO 2005017720
Regional Designated States, Original	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL					
	PT RO SE SI SK TR					
KR 2006061820	A	KO			PCT Application	WO 2004EP51803

Data access control facility implementing method used in enterprise environment, involves assigning label to personal identifying information-function set, that is equal to or subset of label of corresponding data object **Original Titles:**IMPLEMENTIERUNG UND VERWENDUNG EINER **PII** -DATENZUGRIFFS-STEUREINRICHTUNG MIT PERSONLICH IDENTIFIZIERENDEN INFORMATIONS-LABELS UND ZWECK-VERSORGUNGSFUNKTIONSMENGEN...  
 ...IMPLEMENTATION AND USE OF A **PII** DATA ACCESS CONTROL FACILITY EMPLOYING **PERSONALLY IDENTIFYING INFORMATION** LABELS AND PURPOSE SERVING FUNCTION SETS... ..ET UTILISATION D'UNE FONCTION DE CONTROLE D'ACCES A DES DONNEES D'IDENTIFICATION PERSONNELLE (**PII**) EMPLOYANT DES ETIQUETTES DE DONNEES D'IDENTIFICATION PERSONNELLE ET DES ENSEMBLES DE FONCTIONS ADAPTEES ... ..Implementation and use of a **PII** data access control facility employing **personally identifying information** labels and purpose serving functions sets... ..IMPLEMENTATION AND USE OF **PII** DATA ACCESS CONTROL FACILITY EMPLOYING **PERSONALLY IDENTIFYING INFORMATION** LABELS AND PURPOSE SERVING FUNCTION SETS... ..Implementation and use of a **PII** data access control facility employing **personally identifying information** labels and purpose serving functions sets... ..IMPLEMENTATION AND USE OF A **PII** DATA ACCESS CONTROL FACILITY EMPLOYING **PERSONALLY IDENTIFYING INFORMATION** LABELS AND PURPOSE SERVING FUNCTION SETS... ..ET UTILISATION D'UNE FONCTION DE CONTROLE D'ACCES A DES DONNEES D'IDENTIFICATION PERSONNELLE (**PII**) EMPLOYANT DES ETIQUETTES DE DONNEES D'IDENTIFICATION PERSONNELLE ET DES ENSEMBLES DE FONCTIONS ADAPTEES ...Inventor: **WAIDNER M...** ...**WAIDNER M P Alerting Abstract** ...NOVELTY - The **personally identifying information** (**PII**) classification labels are assigned to respective **PII** data objects. A **PII** purpose serving function set (PSFS) comprising list of application functions to read/write **PII** data objects, is defined. A classification label is assigned to each PSFS such that the label is equal to or proper subset of label of **PII** data object. ... ADVANTAGE - Allows access to different sets of **PII** classified objects and functions according to dynamics of access event situation, thereby enhancing flexibility and security of information process that required access to **PII** data object... .. DESCRIPTION OF DRAWINGS - The figure shows the block diagram of the enterprise computing environment implementing **PII** data access control facility.Original Publication Data by AuthorityArgentina**Publication No.** ...Inventor name & address:**WAIDNER M...** ...**WAIDNER, Michael...** ...**WAIDNER M...** ...**Waidner, Michael P...** ...**Waidner, Michael P...** ...**Waidner, Michael P...** ...**WAIDNER, Michael Original Abstracts:**A data access control facility is implemented by assigning **personally identifying information** (PH) classification labels to PH data objects, with each PH data object having one PH... .. A data access control facility is implemented by assigning **personally identifying information** (**PII**) classification labels to **PII** data objects, with each **PII** data object having one **PII** classification label assigned thereto. The control facility further includes at least one **PII** purpose serving function set (PSFS) comprising a list of application functions that read or write **PII** data objects. Each **PII** PSFS is also assigned a **PII** classification label. A **PII** data object is accessible via an application function of a **PII** PSFS having a **PII** classification label that is identical to or dominant of the **PII** classification label of the **PII** object. A user of the control facility is assigned a **PII** clearance set which contains a list of at least one **PII** classification label, which is employed in determining whether the user is entitled to access a... .. A data access control facility is implemented by assigning **personally identifying information** (**PII**) classification labels to **PII** data objects, with each

**PII** data object having one **PII** classification label assigned thereto. The control facility further includes at least one **PII** purpose serving function set (PSFS) comprising a list of application functions that read or write **PII** data objects. Each **PII** PSFS is also assigned a **PII** classification label. A **PII** data object is accessible via an application function of a **PII** PSFS having a **PII** classification label that is identical to or dominant of the **PII** classification label of the **PII** object. A user of the control facility is assigned a **PII** clearance set which contains a list of at least one **PII** classification label, which is employed in determining whether the user is entitled to access a... .. A data access control facility is implemented by assigning **personally identifying information (PII)** classification labels to **PII** data objects, with each **PII** data object having one **PII** classification label assigned thereto. The control facility further includes at least one **PII** purpose serving function set (PSFS) comprising a list of application functions that read or write **PII** data objects. Each **PII** PSFS is also assigned a **PII** classification label. A **PII** data object is accessible via an application function of a **PII** PSFS having a **PII** classification label that is identical to or dominant of the **PII** classification label of the **PII** object. A user of the control facility is assigned a **PII** clearance set which contains a list of at least one **PII** classification label, which is employed in determining whether the user is entitled to access a... .. A data access control facility is implemented by assigning **personally identifying information (PII)** classification labels to **PH** data objects, with each **PH** data object having one **PH** de donnees d'identification personnelle (**PII**), d'etiquettes de classification **PII**, une etiquette de classification etant attribuee a chaque objet de donnees. De plus, la fonction de controle comprend au moins un ensemble de fonctions adaptees (PSFS) de **PII** qui comporte une liste de fonctions d'application permettant de lire et d'ecrire des objets de donnees. Une etiquette de classification est egalement attribuee a chaque PSFS de **PII**. On accede a un objet de donnees de **PII** par l'intermediaire d'une fonction d'application PSFS de **PII** comportant une etiquette de classification de **PII**, identique a celle de l'objet de **PII** ou dominant celle-ci. On attribue a l'utilisateur de la fonction de controle un ensemble d'habilitation de **PII** qui contient une liste comprenant au moins une etiquette de classification de **PII** servant a determiner si l'utilisateur est autorise a acceder a une fonction particuliere.

...**Claims:**is:1. A method of implementing a data access control facility, said method comprising: assigning **personally identifying information (PII)** classification labels to **PII** data objects, wherein a **PII** data object has one **PII** classification label assigned thereto; defining at least one **PII** purpose serving function set (PSFS) comprising a list of application functions that read or write **PII** data objects; and assigning a **PII** classification label to each PSFS, wherein a **PII** data object is only read accessible via an application function of a **PII** PSFS having a **PII** classification label that is equal to or a proper subset of the **PII** classification label of the **PII** data object... .. is:1. A method of implementing a data access control facility, said method comprising: assigning **personally identifying information (PII)** classification labels to **PII** data objects, wherein a **PII** data object has one **PII** classification label assigned thereto; defining at least one **PII** purpose serving function set (PSFS) comprising a list of application functions that read or write **PII** data objects; and assigning a **PII** classification label to each PSFS, wherein a **PII** data object is only read accessible via an application function of a **PII** PSFS having a **PII** classification label that is equal to or a proper subset of the **PII** classification label of the **PII** data object... .. is:1. A method of implementing a data access control facility, said method comprising: assigning **personally identifying information (PII)** classification labels to **PII** data objects, wherein a **PII** data object has one **PII** classification label assigned thereto; defining at least one **PII** purpose serving function set (PSFS) comprising a list of application functions that read or write **PII** data objects; assigning a **PII** classification label to each PSFS, wherein a **PII** data object is only read accessible via an application function of a **PII** PSFS having a **PII** classification label that is equal to or a proper subset of the **PII** classification label of the **PII** data object; wherein a **PII** data object is write accessible by an application function of a **PII** PSFS having a **PII** classification label that is equal to or

dominant of the **PII** classification label of the **PII** data object; and wherein the **PII** data object may be write accessible by an application function of a **PII** PSFS having a list of **PII** reclassifications which are allowed to that **PII** PSFS.

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25/3,K/7 (Item 4 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0013267425 & *Drawing available*

WPI Acc no: 2003-353237/200333

XRPX Acc No: N2003-282157

**Personally identifiable information handling method for computer system, involves creating and associating programming object containing policy rule, with personally identifiable information**  
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: **ADLER S B**; BANGERTER E F; **BROWN N H J**; CAMENISCH J; **GILBERT A M**; HERREWEGHEN E V; KARJOTH G; KESDOGAN D; MCCULLOUGH M R; NELSON A C; **PALMER C C**; PRESLER-MARSHALL M J C; **SCHNYDER M**; **WAIDNER M**; PRESLER-MARSHALL M J

Patent Family ( 2 patents, 1 & countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20030014654	A1	20030116	US 2001884153	A	20010619	200333	B
US 7069427	B2	20060627	US 2001884153	A	20010619	200643	E

Priority Applications (no., kind, date): US 2001884153 A 20010619

Patent Details					
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 20030014654	A1	EN	40	14	

**Personally identifiable information handling method for computer system, involves creating and associating programming object containing policy rule, with personally identifiable information**  
**Original Titles:**Using a rules model to improve handling of **personally identifiable information** ...  
...Using a rules model to improve handling of **personally identifiable information** Inventor: **ADLER S B**... **BROWN N H J**... **GILBERT A M**... **PALMER C C**... **SCHNYDER M**... **WAIDNER M** Alerting Abstract ...**NOVELTY** - A policy rule allowing privacy related actions on **personally identifiable information** data is constructed. An input of dynamic contextual information is allowed to precisely specify the... ..evaluation of rule. A programming object containing the rule is created and associated with the **personally identifiable information**. ... **personally identifiable information handling system**; and computer-usable medium storing **personally identifiable information handling program**. ... .. USE - For handling **personally identifiable information** using computer system **such as personal** computer, server, workstation, embedded system, etc., by person or organization engaged in

commerce, medicine, science... .. ADVANTAGE - Provides an enhanced method which improves the handling of **personally identifiable information** efficiently.... .. DESCRIPTION OF DRAWINGS - The figure shows a block diagram of the **personally identifiable information** handling system.Original Publication Data by AuthorityArgentinaPublication No. Inventor name & address:Adler, Steven B... ..Brown, Nigel Howard Julian... ..Gilbert, Arthur M... ..Palmer, Charles Campbell... ..Schnyder, Michael... ..Waidner, Michael... ..Adler, Steven B... ..Brown, Nigel Howard Julian... ..Gilbert, Arthur M... ..Palmer, Charles Campbell... ..Schnyder, Michael... ..Waidner, Michael Original Abstracts:The present invention is a system and method for handling **personally identifiable information**, using a **rules model**. The invention involves defining a limited number of privacy-related actions regarding **personally identifiable information**; constructing a **rule** for each circumstance in which one of said privacy-related actions may be taken or must... .. a programming object containing at least one of said rules; associating the programming object with **personally identifiable information**; processing a **request**; and providing an output. The invention does not merely give a "yes-or-no answer. The... .. computer system and network. One aspect of the present invention is a method for handling **personally identifiable information**. Another **aspect of the present invention** is a system for executing the method of the present invention. A third... .. The present invention is a system and method for handling **personally identifiable information**, using a **rules model**. The invention **involves defining** a limited number of privacy-related actions regarding **personally identifiable information**; constructing a rule for each circumstance in which one of said privacy-related actions may be taken or must be taken; allowing for the... .. a programming object containing at least one of said rules; associating the programming object with **personally identifiable information**; processing a request; and providing an output. The invention does not merely give a "yes-or-no answer. The invention has the advantage of... .. computer system and network. One aspect of the present invention is a method for handling **personally identifiable information**. Another aspect of the present invention is a **system** for executing the method of the present invention. A third aspect of the present invention... **Claims:**We claim:1. A method of handling **personally identifiable information**, said method comprising:defining a limited number of privacy-related actions regarding said **personally identifiable information**;constructing a rule for each circumstance in which one of said privacy-related actions may be taken or must be taken;allowing for the input of... .. programming object containing at least one of said rules;associating said programming object with said **personally identifiable information**;processing a request; andproviding an output.... .. We claim:1. A method of handling **personally identifiable information**, said method comprising: defining a limited number of privacy-related actions regarding said **personally identifiable information**;constructing a rule for each of said privacy-related actions, wherein each rule defines an **action corresponding to** an associated privacy-related action, a logical condition that identifies a condition under which a **particular decision** is generated, and a decision indicating a manner by which said associated privacy-related action is... .. rules comprises at least one of said constructed rules;associating said programming object with said **personally identifiable information**;processing a request using the programming object containing said set of rules, wherein processing said... .. at least one rule having an action corresponding to an action specified in the request, a **condition that** evaluates to "true," and a decision that indicates that the action is authorized;selecting a

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25/3,K/8 (Item 5 from file: 350)

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0013245380 & & *Drawing available*

WPI Acc no: 2003-330571/200331

XRPX Acc No: N2003-264676

**Personally identifiable information handling method for commercial organization, involves establishing privacy agreement, using limited privacy-related actions and expressing rules regarding privacy-related actions**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: **ADLER S B; GILBERT A M; JULIAN BROWN N H; PALMER C C; SCHNYDER M; WAIDNER M**

Patent Family ( 1 patents, 1 & countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20030014418	A1	20030116	US 2001884296	A	20010619	200331	B

Priority Applications (no., kind, date): US 2001884296 A 20010619

Patent Details					
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 20030014418	A1	EN	16	7	

**Personally identifiable information handling method for commercial organization,**

involves establishing privacy agreement, using limited privacy-related actions and... **Original Titles:** Using a privacy agreement framework to improve handling of **personally identifiable information** **Inventor:** ADLER S B... GILBERT A M... PALMER C C... SCHNYDER M... WAIDNER M **Alerting Abstract ... personally identifiable information handling system;** and computer readable medium storing instructions for personal identified information handling method... DESCRIPTION OF DRAWINGS - The figure shows the **personally identifiable information** handling system. **Original Publication Data by Authority Argentina Publication No.** **Inventor name & address:** Adler, Steven B... Gilbert, Arthur M... Palmer, Charles Campbell... Schnyder, Michael... Waidner, Michael **Original Abstracts:** The invention entails identifying the parties involved in a process of handling **personally identifiable information**; identifying the data involved in said process; classifying the data; expressing each relationship between each pair of said parties... repersonalize. One aspect of the present invention is a method for improving the handling of **personally identifiable information**. Another aspect of the present invention is a system for executing the method of the present invention. A third... **Claims:** We claim: 1. A method for improving the handling of **personally identifiable information**, said method comprising: identifying the parties involved in a process of handling **personally identifiable information**; identifying the data involved in said process; classifying the data; expressing each relationship between each pair of said parties in terms of a privacy agreement; and... diagrams, wherein said privacy agreement uses a limited number of privacy-related actions concerning said **personally identifiable information**; said privacy agreement expresses rules regarding said privacy-related actions, for each of said parties; and said privacy agreement is **specific to a single purpose**.

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25/3,K/9 (Item 6 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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0013138438

WPI Acc no: 2003-220717/200321

XRPX Acc No: N2003-176131

**Personal information handling method for manufacturing products, involves providing two sets of object classes representing active entities, data and rules in computer for handling personal information**

**Patent Assignee:** INT BUSINESS MACHINES CORP (IBM)

**Inventor:** ADLER S B; BANGERTER E F; BOHRER K A; CAMENISCH J; GILBERT A M; HERREWEGHEN E V; JULIAN BROWN N H; KESDOGAN D; LEONARD M P; LIU X; MCCULLOUGH M R; NELSON A C; PALMER C C; POWERS C S; SCHNYDER M; SCHONBERG E; SCHUNTER M; WAIDNER M

Patent Family ( 1 patents, 1 & countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20030004734	A1	20030102	US 2001884311	A	20010619	200321	B

Priority Applications (no., kind, date): US 2001884311 A 20010619

Patent Details					
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 20030004734	A1	EN	24	13	

**Original Titles:**Using an object model to improve handling of **personally identifiable information**  
**Inventor:** ADLER S B... ..GILBERT A M... ..PALMER C C... ..SCHNYDER M... ..WAIDNER M  
**Alerting Abstract** ...set of object classes representing data and rules in information handling is provided in computer. **Personally identifiable information** handling transaction is performed using computer provided with object classes. Original Publication Data by AuthorityArgentina**Publication No.** Inventor name & address:Adler, Steven B... ..Gilbert, Arthur M... ..Palmer, Charles Campbell... ..Schnyder, Michael... ..Waidner, Michael ...**Original Abstracts:**process could be improved. One aspect of the present invention is a method for handling **personally identifiable information**. Another **aspect of the** present invention is a system for executing the method of the present invention. A third... **Claims:** We claim: 1. A method for handling **personally identifiable information**, said method comprising: providing in a **computer a first** set of object classes representing active entities in an information-handling process, wherein a limited... .. one object class has said rules associated with said data; and handling transactions involving said **personally identifiable information**, using said computer and said object classes.

#### IV. Text Search Results from Dialog

##### A. Abstract Databases

- File 2:INSPEC 1898-2009/Apr W1  
(c) 2009 Institution of Electrical Engineers
- File 35:Dissertation Abs Online 1861-2009/Mar  
(c) 2009 ProQuest Info&Learning
- File 65:Inside Conferences 1993-2009/Apr 15  
(c) 2009 BLDSC all rts. reserv.
- File 99:Wilson Appl. Sci & Tech Abs 1983-2009/Feb  
(c) 2009 The HW Wilson Co.
- File 474:New York Times Abs 1969-2009/Apr 16  
(c) 2009 The New York Times
- File 475:Wall Street Journal Abs 1973-2009/Apr 16  
(c) 2009 The New York Times
- File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
(c) 2002 Gale/Cengage

? ds

Set	Items	Description
S1	548	(PERSONAL OR PERSONALLY)() (IDENTIFIABLE OR IDENTIFYING)() INFORMATION OR PII
S2	610	INFORMATION() PRIVACY
S3	67	(S1 OR S2)(5N) (SAFEGUARD? OR PROTECT OR PROTECTS OR PROTECTING OR PROTECTION)
S4	7	(S1 OR S2)(5N) (CLASSIFY??? OR CLASSIFICATION?)
S5	15712	(REDUCE OR REDUCES OR REDUCTION? OR PREVENT???) (5N) RISK??
S6	172	(REDUCE OR REDUCES OR REDUCTION? OR PREVENT???) (5N) BREACH?
S7	19	PRIVACY() AGREEMENT?
S8	8	(POLICY() RULE??) (5N) (ASSOCIATED OR APPLIED OR EMBED?)
S9	96	RULES() MODEL??
S10	3039706	AUTHORIZ??? OR AUTHORIS??? OR ACCESS OR USAGE OR USE OR APPROVAL? OR VALID? OR INVALID? OR TRUE
S11	4	DYNAMIC() CONTEXTUAL() INFORMATION
S12	1243912	GRAPHIC??? OR GRAPHICAL() REPRESENTATION? OR DIAGRAM?? OR IMAGE??
S13	425521	DB OR DATABASE? OR DATAFILE? OR DATA() (FILE?? OR BASE??)
S14	3395	AU=(ADLER, S? OR ADLER S? OR BROWN, N? OR BROWN N? OR JULIAN() BROWN, N? OR JULIAN() BROWN, N? OR GILBERT, A? OR GILBERT - A? OR PALMER, C? OR PALMER C? OR SCHNYDER, M? OR SCHNYDER M? - OR WAIDNER, M? OR WAIDNER M? OR STEVEN(2N) ADLER OR NIGEL(2N) BROWN OR CHARLES(2N) PALMER OR MICHAEL(2N) SCHNYDER OR MICHAEL(2N) WAIDNER)
S15	74	S3:S4
S16	15952	S15 OR (S5:S6)
S17	0	S16 AND (S8 OR S9)

S18 1290 S16 AND (RULE OR RULES OR POLICY OR POLICIES)  
 S19 0 S18 AND S S10  
 S20 0 S18 AND S11  
 S21 22 S18 AND S12  
 S22 1 S21 AND S13  
 S23 10 S21 NOT PY>2001  
 S24 9 RD (unique items)  
 S25 17 S13 AND S1  
 S26 17 RD (unique items)

**Dialog eLink:** **USPTO Full Text Retrieval Options**

22/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2: INSPEC

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07717849 **INSPEC Abstract Number:** C2000-11-7330-083

**Title:** A computerised guideline for pressure ulcer prevention

**Author** Quaglini, S.; Grandi, M.; Bairdi, P.; Mazzoleni, M.C.; Fassino, C.; Franchi, G.; Melino, S.

**Author Affiliation:** Dipartimento di Inf. e Sistemistica, Pavia Univ., Italy

**Journal:** International Journal of Medical Informatics vol.58-59 p. 207-17

**Publisher:** Elsevier

**Publication Date:** Sept. 2000 **Country of Publication:** Ireland

**CODEN:** IJMIF4 **ISSN:** 1386-5056

**SICI:** 1386-5056(200009)58/59L:207:CGPU;1-6

**Material Identity Number:** G133-2000-003

**U.S. Copyright Clearance Center Code:** 1386-5056/2000/\$20.00

**Language:** English

**Subfile:** C

Copyright 2000, IEE

**Abstract:** ...related to the site-specification of a guideline delivered by the Agency for Health Care Policy Research (AHCPR), to its integration with the electronic patient record, and to its implementation within... ..both to facilitate nurses assessing the risk of ulcer development, and to manage patients at risk by producing daily **prevention** work-plans. Concerning this functionality, particular attention has been paid to manage nurse's non... ..input. An additional functionality of the system is novice nurse education-they can browse a **graphical representation** of the guideline, asking for details about different tasks, and they can simulate patients to... ..in Java and it is based on a representation of the guideline as a relational **database**. A preliminary evaluation of the system has been performed and the results are presented on...

**Descriptors:** ...relational **databases**;

**Identifiers:** ...Agency for Health Care **Policy Research**... ..**graphical representation** browsing... ..relational **database**

? Dialog eLink: **USPTO Full Text Retrieval Options**

24/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2: INSPEC

(c) 2009 Institution of Electrical Engineers. All rights reserved.

07717849 **INSPEC Abstract Number:** C2000-11-7330-083

**Title:** A computerised guideline for pressure ulcer prevention

**Author** Quaglini, S.; Grandi, M.; Bairdi, P.; Mazzoleni, M.C.; Fassino, C.; Franchi, G.; Melino, S.

**Author Affiliation:** Dipartimento di Inf. e Sistemistica, Pavia Univ., Italy

**Journal:** International Journal of Medical Informatics vol.58-59 p. 207-17

**Publisher:** Elsevier ,

**Publication Date:** Sept. 2000 **Country of Publication:** Ireland

**CODEN:** IJMIF4 **ISSN:** 1386-5056

**SICI:** 1386-5056(200009)58/59L:207:CGPU;1-6

**Material Identity Number:** G133-2000-003

**U.S. Copyright Clearance Center Code:** 1386-5056/2000/\$20.00

**Language:** English

**Subfile:** C

Copyright 2000, IEE

**Abstract:** ...related to the site-specification of a guideline delivered by the Agency for Health Care Policy Research (AHCPR), to its integration with the electronic patient record, and to its implementation within... ..both to facilitate nurses assessing the risk of ulcer development, and to manage patients at risk by producing daily prevention work-plans. Concerning this functionality, particular attention has been paid to manage nurse's non.... ..input. An additional functionality of the system is novice nurse education-they can browse a graphical representation of the guideline, asking for details about different tasks, and they can simulate patients to...

**Identifiers:** ...Agency for Health Care Policy Research.... ..graphical representation browsing

**Astronomical Objects:**

24/3,K/2 (Item 2 from file: 2)

DIALOG(R)File 2: INSPEC

(c) 2009 Institution of Electrical Engineers. All rights reserved.

07338566 **INSPEC Abstract Number:** B1999-10-6210R-059, C1999-10-7810C-026

**Title:** Construction workers instruction and training

**Author** Arcangeli, G.; Assfalg, J.; Tartaglia, R.; Vicario, E.

**Author Affiliation:** Ist. di Med. del Lavoro, Florence Univ., Italy

**Conference Title:** Proceedings IEEE International Conference on Multimedia Computing and Systems

**Part** vol.2 p. 1123-5 vol.2

**Publisher:** IEEE Comput. Soc , Los Alamitos, CA, USA

**Publication Date:** 1999 **Country of Publication:** USA 2 vol. (xlix+909+1127) pp.

**ISBN:** 0 7695 0253 9 **Material Identity Number:** XX-1999-02047

**U.S. Copyright Clearance Center Code:** 0 7695 0253 9/99/\$10.00

**Conference Title:** Proceedings of ICMCS99: IEEE Multimedia Systems '99: International Conference on Multimedia Computing and Systems

**Conference Sponsor:** IEEE Comput. Soc.; IEEE Circuit & Syst. Soc.; IEEE Commun. Soc.; IEEE Signal Process. Soc

**Conference Date:** 7-11 June 1999 **Conference Location:** Florence, Italy

**Language:** English

**Subfile:** B C

Copyright 1999, IEE

**Abstract:** ...by a high rate of serious and even deadly injuries. A wide set of normative **rules** faces the problem by constraining environmental condition and workers' practice so as to **reduce risk** exposure and impact. However, the effectiveness and even the practical enforcement of these **rules** basically depends on workers' capability to autonomously perceive risks and assume safe behaviors. Professional instruction... ..Workers' Instruction and Training) is to experiment with and evaluate the suitability of interactive 3D **graphics** as a new supporting tool for safety training and instruction in the operational context of construction workplaces. By allowing for an interactive approach, 3D **graphics** is expected to attract and stimulate the attention of young workers, by enabling a direct...

**Identifiers:** ...normative **rules**; ... ..interactive 3D **graphics**; ... ..3D **graphics**;

**Astronomical Objects:**

**Dialog eLink:**

**USPTO Full Text Retrieval Options**

24/3,K/3 (Item 3 from file: 2)

DIALOG(R)File 2: INSPEC

(c) 2009 Institution of Electrical Engineers. All rights reserved.

06530552 **INSPEC Abstract Number:** A9709-2880-002

**Title:** Radiation protection of maintenance workers in EDF power plants

**Author** Dollo, R.; Thezee, C.

**Author Affiliation** Radiat. Protection Dept., Electr. de France, Paris, France

**Journal:** Revue Generale Nucleaire, International Edition vol.B p. 42-50

**Publisher:** Rev. Gen. Nucl.

**Publication Date:** Dec. 1996 **Country of Publication:** France

**CODEN:** RGNEE6 **ISSN:** 0298-7783

**SICI:** 0298-7783(199612)BL42:RPMW;1-Y

**Material Identity Number:** J893-97001

**Language:** English

**Subfile:** A

Copyright 1997, IEE

**Abstract:** Electricite de France's **policy** in terms of **risk prevention** is guided by two main requirements: contributing to the public acceptance of nuclear generated electricity... ..a nuclear operator. When it comes to earning public acceptance of nuclear-generated electricity, the **image** put forward by the operator and the public authorities should be flawless, not only as... ..protection for all, in terms of radiological protection and, more generally, in the field of **risk prevention**.

**Identifiers:** ...**risk prevention**

**Astronomical Objects:**

**Dialog eLink:** USPTO Full Text Retrieval Options

24/3,K/4 (Item 4 from file: 2)

DIALOG(R)File 2: INSPEC

(c) 2009 Institution of Electrical Engineers. All rights reserved.

05774803 **INSPEC Abstract Number:** B9411-6140C-156, C9411-1250-105

**Title:** Adaptive termination of voting in the probabilistic circular Hough transform

**Author** Yla-Jaaski, A.; Kiryati, N.

**Author Affiliation:** Commun. Technol. Lab., Eidgenossische Tech. Hochschule, Zurich, Switzerland

**Journal:** IEEE Transactions on Pattern Analysis and Machine Intelligence vol.16, no.9 p. 911-15

**Publication Date:** Sept. 1994 **Country of Publication:** USA

**CODEN:** ITPIDJ **ISSN:** 0162-8828

**U.S. Copyright Clearance Center Code:** 0162-8828/94/\$04.00

**Language:** English

**Subfile:** B C

**Abstract:** ...of edge points is used for voting. This can lead to significant computational savings. To reduce the **risk** of errors, it is customary to preset the poll size to a value that is... ..be detected is unknown. Finding the number of appearances of an object in a noisy **image** is difficult, especially with partial data. The authors present an adaptive stopping **rule** that terminates voting as soon as any number of objects seem to be reliably detected...

**Identifiers:** ...noisy **image**

**Astronomical Objects:**

**Dialog eLink:** USPTO Full Text Retrieval Options

24/3,K/5 (Item 5 from file: 2)

DIALOG(R)File 2: INSPEC

(c) 2009 Institution of Electrical Engineers. All rights reserved.

05438909

**Title:** Programme pointers

**Author** Condon, R.

**Journal:** Marketing p. 32, 36-7

**Publication Date:** 20 May 1993 **Country of Publication:** UK

**CODEN:** MARKBC **ISSN:** 0025-3650

**Language:** English

**Subfile:** D

**Abstract:** As presentation software plummets in price, opportunities for blunders are increasing. But a few simple **rules** can ensure tasteful and effective presentations. Additionally most of the specialist presentation programs on the market provide ready-made templates which further **reduce** the **risk**.

**Descriptors:** business **graphics**;

**Identifiers:**



24/3,K/6 (Item 1 from file: 35)  
DIALOG(R)File 35: Dissertation Abs Online  
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01645019 ORDER NO: AAD98-32953

**EXPERT AND EVERYDAY PERCEPTIONS OF PRENATAL HEALTH RISKS: AN  
ETHNOGRAPHY OF CIGARETTE SMOKING AND FETAL POLITICS IN THE UNITED  
STATES (HEALTH RISKS)**

**Author:** OAKS, LAURA M.

**Degree:** PH.D.

**Year:** 1998

**Corporate Source/Institution:** THE JOHNS HOPKINS UNIVERSITY ( 0098 )

**Source:** Volume 5905A of Dissertations Abstracts International.

PAGE 1645 . 508 PAGES

...abuse influences not only social attitudes toward pregnant women who smoke and women's self-  
**images**, but also health **policies** and practices.

Data was obtained from ethnographic interviews with health professionals and pregnant  
women/women... ..pregnancy advice, the promotion by health professionals of the assumption that  
individuals are responsible for **preventing** health **risks**, and, most crucially, the recognition of the fetus  
as a person and medical patient.

My... ..experts and lay people. I conclude that there is a need for changes in health **policies** and social  
attitudes that will better benefit women and re-shape sociocultural assumptions about the...

24/3,K/7 (Item 2 from file: 35)  
DIALOG(R)File 35: Dissertation Abs Online  
(c) 2009 ProQuest Info&Learning. All rights reserved.

01642082 ORDER NO: NOT AVAILABLE FROM UNIVERSITY MICROFILMS INT'L.

**A LANGUAGE FOR ENTERPRISE AND INFORMATION SYSTEM MODELLING (SYNTAX)**

**Author:** WOHEDE, ROLF

**Degree:** TEKN.DR

**Year:** 1997

**Corporate Source/Institution:** KUNGLIGA TEKNISKA HOGSKOLAN (SWEDEN) ( 1022 )

**Source:** Volume 5903C of Dissertations Abstracts International.

PAGE 731 . 400 PAGES

**ISBN:** 91-7153-588-8

**Publisher:** ROYAL INSTITUTE OF TECHNOLOGY, S-100 44 STOCKHOLM 70, SWEDEN

**Location of Reference Copy:** ROYAL INSTITUTE OF TECHNOLOGY LIBRARY, MICROFICHE  
VERSION, TRITA-DISS-2535, STOCKHOLM, SWEDEN

...one type of knowledge of the business, e.g., knowledge about goals, concepts, behaviour, and **rules**.  
The **graphical representation** of the languages is intended to be easy to understand at the expense of  
expressive power. Still, the languages need to be precisely defined in order to **reduce risk** for

unintentional ambiguities. It is assumed that the development process can be divided into three...  
...language is defined by a meta model that defines its syntactical properties. Several formal meta **rules** are presented for these languages and their inter language relationships. This makes it possible to ...

24/3,K/8 (Item 3 from file: 35)  
DIALOG(R)File 35: Dissertation Abs Online  
(c) 2009 ProQuest Info&Learning. All rights reserved.

01454169 ORDER NO: AADAA-I9601688  
**FARM-LEVEL ENVIRONMENTAL RISK AND ECONOMIC RELATIONSHIPS, PESTICIDE PRODUCTIVITY, AND NITROGEN PERCOLATION RELATIONSHIPS**

**Author:** TEAGUE, MARK LEE  
**Degree:** PH.D.  
**Year:** 1995  
**Corporate Source/Institution:** OKLAHOMA STATE UNIVERSITY ( 0664 )  
**Source:** Volume 5609A of Dissertations Abstracts International.  
PAGE 3678 . 156 PAGES

...environmental outcomes. Results from essay II indicate that up to \$23,929 for nitrate environmental **risk reduction**, and \$7,083 for pesticide environmental **risk reduction**, on a per-farm basis in the study region, can be spent by society to... ..encourage the adoption of management-based plans, and still maintain an efficiency gain over regulatory **policies**. In essay III, statistical and **graphical** comparisons indicate the three indices provide similar rankings of alternative production systems based upon their...

24/3,K/9 (Item 4 from file: 35)  
DIALOG(R)File 35: Dissertation Abs Online  
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754668 ORDER NO: AAD81-17998  
**CHILD SEXUAL ABUSE: OBSERVATIONS WITHIN A CHILD PSYCHIATRIC CLINIC**

**Author:** GODFREY-PINN, DENISE  
**Degree:** PH.D.  
**Year:** 1981  
**Corporate Source/Institution:** UNIVERSITY OF MASSACHUSETTS ( 0118 )  
**Source:** Volume 4203B of Dissertations Abstracts International.  
PAGE 1172 . 204 PAGES

...this study was that ninety percent of the offenders were known to the child. The **image** among the lay public of the child sexual offender as a stranger to the child... ..nineteen percent of the offenders. Such findings are discussed in terms of the need for **preventive** services to families at **risk**. One possible diagnostic indicator of risk may be the history of the parents' sexual (or... ..will be handled best when there is open inter-agency collaboration. Both service providers and **policy** makers, as well as the general public, needs to become mor 26/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2: INSPEC

(c) 2009 Institution of Electrical Engineers. All rights reserved.

11437910

**Title:** Databases of personal identifiable information

**Author** Al-Fedaghi, S.A.; Thalheim, B.

**Author Affiliation:** Kuwait Univ., Kuwait

**Conference Title:** 2008 IEEE International Conference on Signal Image Technology and Internet Based Systems p. 617-24

**Publisher:** IEEE , Piscataway, NJ, USA

**Publication Date:** 2008 **Country of Publication:** USA

**ISBN:** 978-0-7695-3493-0 **Material Identity Number:** YXA9-1900-052

**U.S. Copyright Clearance Center Code:** 978-0-7695-3493-0/08/\$25.00

**Conference Title:** 2008 IEEE International Conference on Signal Image Technology and Internet Based Systems

**Conference Date:** 30 Nov.-3 Dec. 2008 **Conference Location:** Bali, Indonesia

**Item Identifier (DOI):** [10.1109/SITIS.2008.49](https://doi.org/10.1109/SITIS.2008.49)

**Language:** English

**Subfile:** C

Copyright 2009, The Institution of Engineering and Technology

**Title:** Databases of personal identifiable information

**Abstract:** This paper explores the difference between two types of information: **personal identifiable information (PII)**, and non-identifiable information (NII) to argue that security, policy, and technical requirements set PII apart from NII. The paper describes **databases of personal identifiable information** that are built exclusively for this type of information with their own conceptual scheme, system...

**Descriptors:** ...database management systems

**Identifiers:** databases; ... **personal identifiable information;**

**Dialog eLink:** [USPTO Full Text Retrieval Options](#)

26/3,K/2 (Item 2 from file: 2)

DIALOG(R)File 2: INSPEC

(c) 2009 Institution of Electrical Engineers. All rights reserved.

10247470

**Title:** A software procurement and security primer

**Author** Ladd, D.

**Author Affiliation:** Microsoft Corp., Redmond, WA, USA

**Journal:** IEEE Security & Privacy vol.4, no.6 p. 71-3

**Publisher:** IEEE ,

**Publication Date:** Nov.-Dec. 2006 **Country of Publication:** USA

**CODEN:** ISPMCN **ISSN:** 1540-7993

**SICI:** 1540-7993(200611/12)4:6L:71:SPSP;1-E

**Material Identity Number:** L614-2007-001

**U.S. Copyright Clearance Center Code:** 1540-7993/2006/\$20.00

**Item Identifier (DOI):** [10.1109/MSP.2006.142](https://doi.org/10.1109/MSP.2006.142)

**Language:** English

**Subfile:** C D

Copyright 2007, The Institution of Engineering and Technology

**Abstract:** ...leave out of the security equation until an incident occurs and sensitive materials, such as **personally identifiable information** from a customer **database**, are lost or misused. This article explores some useful concepts that help integrate security more...

**Identifiers:** ...**personally identifiable information**; ... ..customer **database**;

**Astronomical Objects:**

**Dialog eLink:** [USPTO Full Text Retrieval Options](#)

26/3,K/3 (Item 3 from file: 2)

DIALOG(R)File 2: INSPEC

(c) 2009 Institution of Electrical Engineers. All rights reserved.

09467287 **INSPEC Abstract Number:** C2005-08-0230B-007

**Title:** Internet break-ins: new legal liability

**Author** Wright, J.D.B.

**Journal:** Computer Law and Security Report vol.20, no.3 p. 171-4

**Publisher:** Elsevier ,

**Publication Date:** 2004 **Country of Publication:** UK

**CODEN:** CLSRE8 **ISSN:** 0267-3649

**SICI:** 0267-3649(2004)20:3L:171:IBLL;1-V

**Material Identity Number:** I919-2004-002

**U.S. Copyright Clearance Center Code:** 0267-3649/2004/\$30.00

**Item Identifier (DOI):** [10.1016/S0267-3649\(04\)00032-9](https://doi.org/10.1016/S0267-3649(04)00032-9)

**Language:** English

**Subfile:** C

Copyright 2005, IEE

**Abstract:** ...misuse of a person's personal information is imperative - California Legislature explaining why it enacted **Database** Breach Notification Act (Senate Bill 1386). For the first time, companies are legally required to go public with Internet hacking incidents that compromise customer **databases**. California's **Database** Breach Notification Act (SB 1386) dramatically escalates the need for companies to secure their key... ..numbers. The act represents a wave of new law that penalizes the failure to secure **databases** containing **personally identifiable information**.

**Identifiers:** ...customer **databases**; ... ..**Database** Breach Notification Act... ..**personally identifiable information**;

**Astronomical Objects:**

26/3,K/4 (Item 4 from file: 2)

DIALOG(R)File 2: INSPEC

(c) 2009 Institution of Electrical Engineers. All rights reserved.

09412871 **INSPEC Abstract Number:** C2005-06-7330-458

**Title:** Computer-assisted de-identification of free text in the MIMIC II database

**Author** Douglass, M.; Clifford, G.D.; Reisner, A.; Moody, G.B.; Mark RG

**Author Affiliation:** Harvard-MIT Div. of Health Sci. & Technol., Cambridge, MA, USA

**Conference Title:** Computers in Cardiology 2004 (IEEE Cat. No.04CH37641) p. 341-4

**Editor(s):** Murray, A.

**Publisher:** IEEE , Piscataway, NJ, USA

**Publication Date:** 2004 **Country of Publication:** USA xxv+802 pp.

**ISBN:** 0 7803 8927 1 **Material Identity Number:** XX-2005-00634

**U.S. Copyright Clearance Center Code:** 0 7803 8927 1/2004/\$20.00

**Conference Title:** Computers in Cardiology 2004

**Conference Date:** 19-22 Sept. 2004 **Conference Location:** Chicago, IL, USA

**Language:** English

**Subfile:** C

Copyright 2005, IEE

**Title:** Computer-assisted de-identification of free text in the MIMIC II database

**Abstract:** Medical researchers are legally required to protect patients' privacy by removing **personally identifiable information** from medical records before sharing the data with other researchers. We present an evaluation of... ..was 0.85, but its positive predictive value was only 0.37. The de-identified **database** of nursing notes was re-identified with realistic surrogate (but unprotected) dates, serial numbers, names, and phrases to provide a gold standard **database** of over 2600 notes (approximately 340,000 words) with over 1700 instances of PHI. This reference gold standard **database** of nursing notes and the Java source code used to evaluate algorithm performance will be...

**Descriptors:** ...**database** management systems

**Identifiers:** ...MIMIC II **database**; ... ..**personally identifiable information**; ... ..de-identified **database**;

**Dialog eLink:** [USPTO Full Text Retrieval Options](#)

26/3,K/5 (Item 5 from file: 2)

DIALOG(R)File 2: INSPEC

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09318982 **INSPEC Abstract Number:** C2005-04-7240-049

**Title:** Research on Chinese serial item & contribution identifier

**Author** Ren Huiling; Hu Tiejun; Li Danya; Yang Bin; Zhu Wenyan; Qian Qing; Li Junlian; Wang Runqiang; Pang Jing'an

**Author Affiliation:** Inst. of Med. Inf., Chinese Acad. of Med. Sci., Beijing, China

**Journal:** Journal of the China Society for Scientific and Technical Information vol.23, no.4 p. 437-43

**Publisher:** Editorial Board of Journal of the China Society for Scientific and Technical Information ,

**Publication Date:** Aug. 2004 **Country of Publication:** China

**CODEN:** QIXUF6 **ISSN:** 1000-0135

**SICI:** 1000-0135(200408)23:4L:437:RCSI;1-O

**Material Identity Number:** H170-2004-005

**Language:** Chinese

**Subfile:** C

Copyright 2005, IEE

**Abstract:** ...serial articles. Based on the analysis of the identifiers including of URI, URN, SICI-1996, PII and DOI, we constructed the frame of Chinese Serial Item & Contribution Identifier (CSICI) which comprised ... ..to encode the Chinese character. In order to resolve these problems, we built a testing database and designed 10 different choosing and encoding methods. Compared by the uniqueness, briefness and feasibility...

**Identifiers:** ...PII: ... ..testing database;

**Astronomical Objects:**

**Dialog eLink:** [USPTO Full Text Retrieval Options](#)

26/3,K/6 (Item 6 from file: 2)

DIALOG(R)File 2: INSPEC

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09186718 **INSPEC Abstract Number:** B2005-01-6135C-029, C2005-01-5260B-086

**Title:** A fast no search fractal image coding method

**Author** Furao, S.; Hasegawa, O.

**Author Affiliation:** Dept. of Comput. Intelligence & Syst. Sci., Tokyo Inst. of Technol., Japan

**Journal:** Signal Processing: Image Communication vol.19, no.5 p. 393-404

**Publisher:** Elsevier ,

**Publication Date:** May 2004 **Country of Publication:** Netherlands

**CODEN:** SPICEF **ISSN:** 0923-5965

**SICI:** 0923-5965(200405)19:5L:393:FSFI;1-S

**Material Identity Number:** N528-2004-005

**U.S. Copyright Clearance Center Code:** 0923-5965/04/\$30.00

**Item Identifier (DOI):** [10.1016/j.image.2004.02.002](#)

**Language:** English

**Subfile:** B C

Copyright 2004, IEE

**Abstract:** ...fractal image coding up to the present and holds high reconstruction fidelity. For example, using PII 450 MHz PC, the proposed scheme spends 0.515 s to compress the Lena (512 \* 512 \* 8) with 36.04 dB PSNR decoding quality. Using Dell PIV 2.8 GHz PC, it spends only 0.078 s to finish the encoding process and gets 36.04 dB PSNR.

26/3,K/7 (Item 7 from file: 2)

DIALOG(R)File 2: INSPEC

(c) 2009 Institution of Electrical Engineers. All rights reserved.

09088231 **INSPEC Abstract Number:** C2004-10-6130S-214

**Title:** European trends in privacy: how can we increase Internet security and protect individual privacy?

**Author** Ostergaard, S.D.

**Conference Title:** PISTA'03. International Conference on Politics and Information Systems: Technologies and Applications p. 143-7

**Editor(s):** Carrasquero, J.V.; Welsch, F.; Urrea, C.; Tso, C.D.

**Publisher:** International Inst. of Informatics and Systemics , Orlando, FL, USA

**Publication Date:** 2003 **Country of Publication:** USA ix+576 pp.

**ISBN:** 980 6560 04 3 **Material Identity Number:** XX-2004-00851

**Conference Title:** PISTA'03. International Conference on Politics and Information Systems: Technologies and Applications

**Conference Sponsor:** Int. Inst. of Informatics and Systemics (IIIS); IEEE Comput. Soc.; Inter-American Organization for Higher Educ. (IOHE); BytesForAll; Integrated Tech. Solutions Ltd

**Conference Date:** 31 July-2 Aug. 2003 **Conference Location:** Orlando, FL, USA

**Language:** English

**Subfile:** C

Copyright 2004, IEE

**Abstract:** ...flight passenger lists, conference participants' background, customers' profile and securing access to public and private **databases** through gateways has become a standard way of doing things. Legislation has been put in... ..existing privacy legislation. In a networked world, everybody leaves traces that are personally individually identifiable (**PII**). When we use our mobile phone, the cell network provider knows the location you are ... ..could be developed and deployed that helps organizations as well as individuals to protect their **personally identifiable information**, set up policies that is translated to watch dogs that ensures that these policies are...

**Identifiers:** ...**personally identifiable information**;

**Astronomical Objects:**

26/3,K/8 (Item 8 from file: 2)

DIALOG(R)File 2: INSPEC

(c) 2009 Institution of Electrical Engineers. All rights reserved.

07769878 **INSPEC Abstract Number:** C2001-01-7130-008

**Title:** Overview of current criminal justice information systems

**Author** Dempsey, J.X.

**Conference Title:** Proceedings of the Tenth Conference on Computers, Freedom and Privacy.

CFP2000: Challenging the Assumptions p. 101-6

**Publisher:** ACM , New York, NY, USA

**Publication Date:** 2000 **Country of Publication:** USA 352 pp.

**ISBN:** 1 58113 256 5 **Material Identity Number:** XX-2000-00778

**Conference Title:** Proceedings of 10th Conference on Computers, Freedom and Privacy

**Conference Sponsor:** ACM

**Conference Date:** 4-7 April 2000 **Conference Location:** Toronto, Ont., Canada

**Language:** English

**Subfile:** C

Copyright 2000, IEE

**Abstract:** ...supported by fingerprints. The states and the USA federal government also maintain separate DNA identification **databases**. Finally, there are **databases** of non-**personally identifiable information**, such as stolen property or ballistics data. In the USA, there are nearly 19000 state...

**Identifiers:** ...DNA identification **databases**;

**Astronomical Objects:**

26/3,K/9 (Item 9 from file: 2)

DIALOG(R)File 2: INSPEC

(c) 2009 Institution of Electrical Engineers. All rights reserved.

06651058 **INSPEC Abstract Number:** A9717-8760B-044, B9709-7510B-138

**Title:** Human fetal diagnostic ultrasound exosimetry system

**Author** Swiney, D.; O'Brien, W.D., Jr.

**Author Affiliation:** Dept. of Electr. & Comput. Eng., Illinois Univ., Urbana, IL, USA

**Conference Title:** 1996 IEEE Ultrasonics Symposium Proceedings (Cat. No.96CH35993) **Part** vol.2  
p. 1167-9 vol.2

**Editor(s):** Levy, M.; Schneider, S.C.; Mcavoy, B.R.

**Publisher:** IEEE, New York, NY, USA

**Publication Date:** 1996 **Country of Publication:** USA 2 vol. 1622 pp.

**ISBN:** 0 7803 3615 1 **Material Identity Number:** XX97-00764

**U.S. Copyright Clearance Center Code:** 0 7803 3615 1/96/\$5.00

**Conference Title:** 1996 IEEE Ultrasonics Symposium. Proceedings

**Conference Sponsor:** IEEE Ultrasonics, Ferroelectr. & Frequency Control Soc

**Conference Date:** 3-6 Nov. 1996 **Conference Location:** San Antonio, TX, USA

**Language:** English

**Subfile:** A B

Copyright 1997, IEE

**Abstract:** ...during an obstetric ultrasound examination. The purpose of the exosimetry system is to develop a **data base** of fundamental ultrasound propagation properties for human tissue under in vivo conditions from which the... ..acoustic pressure waveform is based on a two-decision process. First, the pulse intensity integral (**PII**), a measure of energy in the pulse, is calculated for each acquired waveform and subsequent recorded waveforms must have a greater **PII**. Second, a correlation coefficient is calculated for each acquired waveform and must exceed a predetermined...

**Dialog eLink:**

**USPTO Full Text Retrieval Options**

26/3,K/10 (Item 10 from file: 2)

DIALOG(R)File 2: INSPEC

(c) 2009 Institution of Electrical Engineers. All rights reserved.

04879355 **INSPEC Abstract Number:** A91066582, B91034419

**Title:** High-gain polarization-insensitive optical amplifier

**Author** Koga, M.; Matsumoto, T.

**Author Affiliation:** NTT Transmission Syst. Labs., Kanagawa, Japan

**Journal:** Journal of Lightwave Technology vol.9, no.2 p. 284-90

**Publication Date:** Feb. 1991 **Country of Publication:** USA

**CODEN:** JLTEDG **ISSN:** 0733-8724

**U.S. Copyright Clearance Center Code:** 0733-8724/91/0200-0284\$01.00

**Language:** English

**Subfile:** A B

**Abstract:** ...two serial semiconductor laser amplifiers (SLAs) is studied theoretically and



experimentally. A polarization-insensitive isolator ( **PII**) inserted between the two SLAs serves not only to eliminate the coupling cavity, but also... ..light by 90 degrees . Experimental results show a maximum fiber-to-fiber gain of 29 **dB**. PIOA gain deviation for the input polarization launch angle is just 0.6 **dB** compared to an original value of 5-6 **dB** in a single SLA. A theoretical analysis shows that it is necessary to achieve a **PII** rotation design error of less than 0.5 degrees in order to suppress deviation below 0.1 **dB**. PIOA noise figure deviation, for the input signal polarization launch angle, was only 0.1 **dB** from both the experimental and theoretical results even though there was a rotation error of...

**Identifiers:** ...29 **dB**

**Astronomical Objects:**

**Dialog eLink:** [USPTO Full Text Retrieval Options](#)

26/3,K/11 (Item 11 from file: 2)

DIALOG(R)File 2: INSPEC

(c) 2009 Institution of Electrical Engineers. All rights reserved.

04282144 **INSPEC Abstract Number:** A89015382

**Title:** Sex and ear differences of brain-stem acoustic evoked potentials in a sample of normal full-term newborns. Normative study

**Author** Chiarenza, G.A.; D'Ambrosio, G.M.; Cazzullo, A.G.

**Author Affiliation:** Istituto di Neuropsichiatria Infantile, Milan Univ., Italy

**Journal:** Electroencephalography and Clinical Neurophysiology, Evoked Potentials vol.71, no.5 p. 357-66

**Publication Date:** Sept.-Oct. 1988 **Country of Publication:** Ireland

**CODEN:** ECNEAZ **ISSN:** 0168-5597

**Language:** English

**Subfile:** A

**Abstract:** ...80 normal full-term newborns by using a rarefaction click at 70, 60, 40, 20 **dB** HL. Positive, negative peaks and the relative amplitudes were measured. Means, standard deviations and 95... ..test distribution showed that each component had normal distribution except for wave PIII at 70 **dB** and at 60 **dB** HL because of its index of kurtosis and for IPLs **PII**-PIII and NII-NIII at 70 and 60 **dB** HL. MLRA was performed and significant statistical differences were found for sex, ears and intensities... ..Latencies, amplitude and morphology of the BAEPs vary with variations of the intensity. The IPLs PII-PV, PIII-PV and PIV-PV were not affected by changes of intensity.

**Dialog eLink:** [USPTO Full Text Retrieval Options](#)

26/3,K/12 (Item 12 from file: 2)

DIALOG(R)File 2: INSPEC

(c) 2009 Institution of Electrical Engineers. All rights reserved.

03783891 **INSPEC Abstract Number:** A87008587

**Title:** Offset tuning curves generated by simultaneous masking are more finely tuned than those generated by forward masking

**Author** Henry, K.R.

**Author Affiliation:** Dept. of Psychol., California Univ., Davis, CA, USA

**Journal:** Hearing Research vol.24, no.2 p. 151-61

**Publication Date:** 1986 **Country of Publication:** Netherlands

**CODEN:** HERED3 **ISSN:** 0378-5955

**U.S. Copyright Clearance Center Code:** 0378-5955/86/\$03.50

**Language:** English

**Subfile:** A

**Abstract:** ...generated in response to the tone offset. TCs generated by continuous masking of the NI-PII component of the auditory brainstem response (ABR) of the gerbil show the same pattern. When... sharper as the masker sound pressure level (SPL) is increased from 50 to over 80 dB.

**Dialog eLink:** [USPTO Full Text Retrieval Options](#)

26/3,K/13 (Item 13 from file: 2)

DIALOG(R)File 2: INSPEC

(c) 2009 Institution of Electrical Engineers. All rights reserved.

03143436 **INSPEC Abstract Number:** C83043389

**Title:** Reliability of computerized versus manual death searches in a study of the health of Eldorado uranium workers

**Author** Newcombe, H.B.; Smith, M.E.; Howe, G.R.; Mingay, J.; Strugnell, A.; Abbott, J.D.

**Journal:** Computers in Biology and Medicine vol.13, no.3 p. 157-69

**Publication Date:** 1983 **Country of Publication:** UK

**CODEN:** CBMDAW **ISSN:** 0010-4825

**U.S. Copyright Clearance Center Code:** 0010-4825/83\$3.00+.00

**Language:** English

**Subfile:** C

**Abstract:** ...searches based on one-eighth of the worker file. The national death file-Canadian Mortality Data Base-at Statistics Canada includes coded causes of death for all deaths back to 1950. The... to the study population. In both approaches accuracy was strongly dependent on the amount of **personal identifying information** available on the records being linked.

26/3,K/14 (Item 1 from file: 35)

DIALOG(R)File 35: Dissertation Abs Online

(c) 2009 ProQuest Info&Learning. All rights reserved.

02171683 **ORDER NO:** AADAA-I3228219

**The relationship between the Indiana Standards Tool for Alternate Reporting (ISTAR) and the Graduation Qualifying Examination (GQE)**

**Author:** Marra, Robert A.

**Degree:** Ed.D.

**Year:** 2006

**Corporate Source/Institution:** Ball State University ( 0013 )  
**Source:** Volume 6708A of Dissertations Abstracts International.  
PAGE 2940 . 113 PAGES  
**ISBN:** 978-0-542-82045-8

...2005). These data were derived from a secondary data source, the student test number (STN) **database** at the Indiana Department of Education. Use of the STN protects the confidentiality of **personally identifiable information** are, protects the confidentiality of students. All students in the study participated in both the...

26/3,K/15 (Item 2 from file: 35)  
DIALOG(R)File 35: Dissertation Abs Online  
(c) 2009 ProQuest Info&Learning. All rights reserved.

02108882 ORDER NO: AADAA-I3186264  
**Diagnostic ultrasound exosimetry using a tissue-mimicking liquid**

**Author:** Stiles, Timothy A.  
**Degree:** Ph.D.  
**Year:** 2005  
**Corporate Source/Institution:** The University of Wisconsin - Madison ( 0262 )  
**Source:** Volume 6608B of Dissertations Abstracts International.  
PAGE 4124 . 214 PAGES  
**ISBN:** 0-542-28327-1

Accurate measurements of acoustic output parameters (e.g., **PII**, *p<sub>r</sub></i>, MI, TI) are necessary for ensuring the continued safety... ..equivalent to a pre-determined amount of attenuation of the sound field, viz. 0.30 **dB** cm<sup>2</sup>&minus;1</sup> MHz<sup>2</sup>&minus;1</sup>. Because of nonlinear acoustic propagation...*

26/3,K/16 (Item 1 from file: 583)  
DIALOG(R)File 583: Gale Group Globalbase(TM)  
(c) 2002 Gale/Cengage. All rights reserved.

09219740  
**Contracts & Wins**

SINGAPORE: ORDER AWARDED TO ANDERSEN CONSULTING  
Channel Asia ( AHT ) Dec 1999 p.3  
**Language:** ENGLISH

...of a wholly functional PC system. In addition, a ranking and promotion II system (R&**PII**) will be supplied by the firm.

**Product:** Microcomputers **Database** Management Software

26/3,K/17 (Item 2 from file: 583)  
DIALOG(R)File 583: Gale Group Globalbase(TM)  
(c) 2002 Gale/Cengage. All rights reserved.

06583978

**CSL launches special offer**

HONG KONG: SPECIAL OFFERS OF ACER POWER AT CSL

Ming Pao Daily News ( XKJ ) 11 Feb 1998 p.a7

**Language:** CHINESE

AcerPower MMX 200MHz and AcerPower **PII** 233MHz personal computer models are sold at HK\$5,998 and HK\$8,998 respectively... ..1. Free installed electronic payment of duty software worth HK\$1,800. 2. Free "Internet **data base** service" worth US\$50. 3. Two-month trial of "Netvigator" service and exemption of registration...

e aware and more sensitive...

## V. Text Search Results from Dialog

### A. Full Text Databases

File 625:American Banker Publications 1981-2008/Jun 26

(c) 2008 American Banker

File 268:Banking Info Source 1981-2009/Mar W5

(c) 2009 ProQuest Info&Learning

File 626:Bond Buyer Full Text 1981-2008/Jul 07

(c) 2008 Bond Buyer

File 267:Finance & Banking Newsletters 2008/Sep 29

(c) 2008 Dialog

File 608:MCT Information Svc. 1992-2009/Apr 16

(c) 2009 MCT Information Svc.

### ? DS

Set	Items	Description
-----	-------	-------------

S1	507	(PERSONAL OR PERSONALLY)()(IDENTIFIABLE OR IDENTIFYING)()INFORMATION OR PII
----	-----	---

S2	347	INFORMATION()PRIVACY
----	-----	----------------------

S3	63	(S1 OR S2)(5N)(SAFEGUARD? OR PROTECT OR PROTECTS OR PROTECTING OR PROTECTION)
----	----	---

S4	0	(S1 OR S2)(5N)(CLASSIFY??? OR CLASSIFICATION?)
----	---	--

S5	18699	(REDUCE OR REDUCES OR REDUCTION? OR PREVENT???) (5N)RISK??
----	-------	--

S6	358	(REDUCE OR REDUCES OR REDUCTION? OR PREVENT???) (5N)BREACH?
----	-----	---

S7	53	PRIVACY()AGREEMENT?
----	----	---------------------

S8	1	(POLICY()RULE??)(5N)(ASSOCIATED OR APPLIED OR EMBED?)
----	---	---

S9	15	RULES()MODEL??
----	----	----------------

S10	1925925	AUTHORIZ??? OR AUTHORIS??? OR ACCESS OR USAGE OR USE OR APPROVAL? OR VALID? OR INVALID? OR TRUE
-----	---------	---

S11	0	DYNAMIC()CONTEXTUAL()INFORMATION
-----	---	----------------------------------

S12	213524	GRAPHIC??? OR GRAPHICAL()REPRESENTATION? OR DIAGRAM?? OR IMAGE??
-----	--------	--

S13	75871	DB OR DATABASE? OR DATAFILE? OR DATA()(FILE?? OR BASE??)
-----	-------	--

S14	42	AU=(ADLER, S? OR ADLER S? OR BROWN, N? OR BROWN N? OR JULIAN()BROWN, N? OR GILBERT, A? OR GILBERT - A? OR PALMER, C? OR PALMER C? OR SCHNYDER, M? OR SCHNYDER M? - OR W Aidner, M? OR Waidner M? OR STEVEN(2N)ADLER OR NIGEL(2N)BROWN OR CHARLES(2N)PALMER OR MICHAEL(2N)SCHNYDER OR MICHAEL(2N)Waidner)
-----	----	--

S15	63	S3:S4
-----	----	-------

S16	19099	S15 OR (S5 OR S6)
-----	-------	-------------------

S17	0	S16(30N)(S8 OR S9)
-----	---	--------------------

S18 0 S16 AND (S8 OR S9)  
 S19 1251 S16(30N)(RULE OR RULES OR POLICY OR POLICIES)  
 S20 156 S19(30N)(S10 OR S11)  
 S21 0 S20(30N)S12  
 S22 3 S20(30N)S13  
 S23 0 S14(30N)S15  
 S24 0 S16(S)(S8 OR S9)  
 S25 268 S16(S)S12  
 S26 61 S25 NOT PY>2001  
 S27 59 RD (unique items)  
 S28 55 S27 NOT DIAGRAM??  
 S29 20 S28 NOT INFORMATION  
 S30 0 S14(S)S16  
 S31 0 S14(S)S1

?

22/3,K/1 (Item 1 from file: 625)  
 DIALOG(R)File 625: American Banker Publications  
 (c) 2008 American Banker. All rights reserved.

0284851

**\* Envisioning 'Credit Push' As New Wave In Payments**

American Banker - April 7, 2004 ; Pg. 1 ; Vol. 169 , No. 66  
**Document Type:** Journal **Language:** English **Record Type:** Fulltext  
**Word Count:** 1,761

**Byline:**

By Jennifer A. Kingson

**Text:**

...for Nacha to continue operating the ACH the way it does now,  
 relying heavily on **rules** changes to improve quality and  
**reduce risk**. The is a  
 "rules and tools" alternative, in which Nacha would rely not only on  
**rule**  
 changes but also on some services it could build, such as a **database**  
 of **valid**  
 consumer and corporate checking accounts that originating banks could check  
 before sending payments through, or a name-and-address match  
**database** that  
 might cut down on unauthorized transactions.  
 The third scenario, which would represent a more...

22/3,K/2 (Item 1 from file: 268)  
DIALOG(R)File 268: Banking Info Source  
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00420523 121970905 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Mortgage insurance in housing finance--the way to go for countries in transition**

Trofimovas, Andrejus

Housing Finance International , v 16 , n 3 , p 14-18 , Mar 2002 **Document Type:** Periodical; Feature

**Language:** English **Record Type:** Fulltext

**Word Count:** 3,771

**ARTICLE REFERENCE NUMBER:**

...that the government controls, and by doing so gives the government an additional incentive to **reduce** these **risks**.

\* The state-owned company acting in the developing market has the potential to initiate and offer the underwriting **rules** and risk assessment norms to mortgage providers and, by doing so, help standardize housing finance.

\* The company managed by the government has better **access** to information about the potential mortgage recipients. Most countries in transition don't have a well functioning information system (e.g., credit bureau) on mortgage recipients. Furthermore, the necessary **data--bases** or credit bureaus may be established on the basis of information managed by a mortgage...

22/3,K/3 (Item 1 from file: 267)  
DIALOG(R)File 267: Finance & Banking Newsletters  
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00032323

**NACHA'S RULE CHANGES REFLECT INTERNET PAYMENT GROWTH ACH To Be Backbone Of Corporate Internet Payments**

**CORPORATE EFT REPORT**

September 17, 1997 **Vol:** 17 **Issue:** 18 **Document Type:** NEWSLETTER

**Publisher:** PHILLIPS BUSINESS INFORMATION

**Language:** ENGLISH **Word Count:** 1257 **Record Type:** FULLTEXT

(c) PHILLIPS PUBLISHING INTERNATIONAL All Rts. Reserv.

**Text:**

...or closed.

Before funds would be withdrawn to cover the amount of the check, the

**database** could be scanned to immediately **rule** out any bad checks.

This process would **reduce risks** in check-to-ACH programs, NACHA says.

Also, NACHA is creating **rules** for financial institutions that will **use** a check as a source of information to create an electronic payment at the point...

29/3,K/1 (Item 1 from file: 268)

DIALOG(R)File 268: Banking Info Source

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00244907 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Distribution of life assurance and investment products: The Scottish mutual life assurance industry**

Laing, Angus W

International Journal of Bank Marketing , v 12 , n 4 , p 25-31 , 1994 **Document Type:** Journal Article

**Language:** English **Record Type:** Abstract Fulltext

**Word Count:** 05251

**ARTICLE REFERENCE NUMBER:**

...in that it is suggested that less knowledgeable organizational buyers in certain circumstances seek to **reduce** their perceived **risk** by limiting their evaluation of competing providers to the market leaders, the "IBM effect", or...

...companies, focusing on particular niche markets facilitates the development of expertise and a strong product **image**, thereby strengthening their position with IFAs.

In serving specialist niche markets the flexibility and responsiveness

...

29/3,K/2 (Item 2 from file: 268)

DIALOG(R)File 268: Banking Info Source

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00121431 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**An ounce of prevention**

Coughlan, Kenneth L.

Successful Selling & Sales Management , p 7-8 , Dec 1987 **Language:** English **Record Type:** Abstract

**Abstract:**

...for the lender. Prudent and careful procedures cannot eliminate the



possibility of litigation, but can **reduce** this **risk** and can improve the lender's **image** before a judge or jury.

29/3,K/3 (Item 1 from file: 267)  
DIALOG(R)File 267: Finance & Banking Newsletters  
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04582964

## **NACHA TO BALLOT NEW RULE ON CONVERTING BUSINESS CHECKS TO ACH ITEMS**

Item Processing Report  
September 13, 2001 **Vol:** 12 **Issue:** 18 **Document Type:** NEWSLETTER  
**Publisher:** PHILLIPS BUSINESS INFORMATION  
**Language:** ENGLISH **Word Count:** 1841 **Record Type:** FULLTEXT

(c) PHILLIPS PUBLISHING INTERNATIONAL All Rts. Reserv.

### **Text:**

...the ACH provides the payee. This would not be available unless the business has an **image** of the check. "You need a feed of those three data elements into a positive...

...the new dollar limits.

"They don't have that today," Nelson explained. "We want to **reduce** the **risk**, we don't want this used for wholesale lockbox payments. Last but not least, we...be destroyed, but also in this rule we're saying that you have to have **image** retention for two years," Nelson said. "We didn't have that in the original request...

...represented checks, eliminating the requirement that you retain the original check for 90 days -- an **image** will suffice.

(Bill Nelson, NACHA, 703/561-3924; Don Hollingsworth, Association for Financial Professionals, 301...

29/3,K/4 (Item 2 from file: 267)  
DIALOG(R)File 267: Finance & Banking Newsletters

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04581123

**ORBOGRAPH, AFS TO UNVEIL NEW REMITTANCE SOLUTION AT TAWPI**

Item Processing Report

July 19, 2001 **Vol:** 12 **Issue:** 14 **Document Type:** NEWSLETTER

**Publisher:** PHILLIPS BUSINESS INFORMATION

**Language:** ENGLISH **Word Count:** 1439 **Record Type:** FULLTEXT

(c) PHILLIPS PUBLISHING INTERNATIONAL All Rts. Reserv.

**Text:**

...remittance or POD application than is currently possible. Operators can access balancing within minutes, which **reduces the risk** of missing cash letters. OrboCAR APEX can also be used to eliminate slow, manual tasks...

...letters, preparing the deposit and the like. Those production keyers are looking at a check **image** on a screen and keying in the amount or at an **image** of an OCR line of a remittance stub or the MICR line of a check...OCR line," Vetterick says. "That means 2-4 percent of all the remittance stubs, the **image** has to be presented on a screen, and some operator has to look at the **image** and fill in the missing digits from that OCR line. That combined with having to...the lion's share of this labor and key-station burden at all of these **image** remittance shops."

Orbograph and AFS aim to ease that burden with a solution that first  
...

...said. "If you need an amount recognized from a piece of paper, you send the **image** to the CAR/LAR engine. If you need an OCR line corrected or MICR line...the user really should care about is they're sent 100 percent of the check **images** to the CAR engine and they get 100 percent results back. How the engine resolves  
...

29/3,K/5 (Item 3 from file: 267)  
DIALOG(R)File 267: Finance & Banking Newsletters  
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04580400

## **SMART CARDS BEGIN TO MAKE THEIR IMPRINT ON THE U.S. MARKET**

Card News

June 27, 2001 **Vol:** 16 **Issue:** 12 **Document Type:** NEWSLETTER

**Publisher:** PHILLIPS BUSINESS INFORMATION

**Language:** ENGLISH **Word Count:** 1824 **Record Type:** FULLTEXT

(c) PHILLIPS PUBLISHING INTERNATIONAL All Rts. Reserv.

### **Text:**

...commitment to introduce creativity and excitement to our guests... reinforc[ing] Target's differentiated brand

### **image**

and 'Expect More, Pay Less' promise."

### Harbinger of Good News

The announcement can be seen...situation. "The purpose of the platform was not to advance any particular technology but to **reduce** time to market, costs and **risks** quite dramatically,"

explains Patrick

Gauthier, senior vice president for smart card applications and market development...

29/3,K/6 (Item 4 from file: 267)  
DIALOG(R)File 267: Finance & Banking Newsletters  
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04579744

## **Investing seed capital**

Lisa Bushrod

European Venture Capital Journal

June 1,2001 **Document Type:** NEWSLETTER

**Publisher:** SECURITIES DATA PUBLISHING

**Language:** ENGLISH      **Word Count:** 2523      **Record Type:** FULLTEXT

(c) SECURITIES DATA PUBLISHING All Rts. Reserv.

**Text:**

...the company's approach to fund raising is more business like and a more professional **image** is presented. This can be fairly simple stuff such as presenting a written business plan...and then each application takes in the region of three to four months. But the **reduction** in **risk** profile for the investors is usually worth the wait.

Some of Europe's seed and...

29/3.K/7 (Item 5 from file: 267)  
DIALOG(R)File 267: Finance & Banking Newsletters  
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04546323

**INDUSTRY BRIEFS**

**ITEM PROCESSING REPORT**

March 11, 1999 RE **Vol:** 10 **Issue:** 5 **Document Type:** NEWSLETTER

**Publisher:** PHILLIPS BUSINESS INFORMATION

**Language:** ENGLISH      **Word Count:** 509      **Record Type:** FULLTEXT

(c) PHILLIPS PUBLISHING INTERNATIONAL All Rts. Reserv.

**Text:**

...Remittance Processing and Merchant Check Services business lines.  
(Daniel Shingler, NPC, 216/575-2441.)

Check **Image** Pilot Deemed Successful.

The New York Clearing House, Federal Reserve Bank of Boston and Chase Manhattan Bank last week ended their two-year test of inter-regional check **image** exchange. The pilot's objective was to show that

check **image** exchange between banks in different regions could be accomplished using different vendors' equipment. Participants said in a release that they believe the successful test will contribute to greater use of **images** to accelerate check processing and **reduce risks**

for banks and their customers. The next phase is an exploration of the synergy between...

29/3,K/8 (Item 6 from file: 267)  
DIALOG(R)File 267: Finance & Banking Newsletters  
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04534627

**WHOLESALE LOCKBOX VOLUME ON THE UPSWING Smaller Customers, Consolidation  
And Outsourcing Boost Business**

**CORPORATE EFT REPORT**

June 10, 1998 REPO **Vol: 18 Issue: 11 Document Type: NEWSLETTER**

**Publisher:** PHILLIPS BUSINESS INFORMATION

**Language:** ENGLISH **Word Count:** 1136 **Record Type:** FULLTEXT

(c) PHILLIPS PUBLISHING INTERNATIONAL All Rts. Reserv.

**Text:**

...and saw the wholesale lockbox system in action,"  
Rigakos says. "When they saw the check **image** and all they could do  
with it, they were sold. Something like 92 of those tasks,  
and it **reduces** the **risk** of fraud," he says. "Where [does the  
customer] lose in this process?"

In fact, the...

29/3,K/9 (Item 7 from file: 267)  
DIALOG(R)File 267: Finance & Banking Newsletters  
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00039555

**NEWS BRIEFS**

**ITEM PROCESSING REPORT**

February 12, 1998 **Vol: 9 Issue: 3 Document Type: NEWSLETTER**

**Publisher:** PHILLIPS BUSINESS INFORMATION

**Language:** ENGLISH **Word Count:** 485 **Record Type:** FULLTEXT

(c) PHILLIPS PUBLISHING INTERNATIONAL All Rts. Reserv.

**Text:**

...Assists With Year 2000.

The American Bankers Association has developed a three-year plan to **reduce** the **risks** faced by the banking industry arising from the Year 2000 problem. The association will release...

...Inc. has developed DocuTran II, version 1.07, the latest release of its high-speed, **image**-based transaction processing software. The release offers operations managers in remittance and document processing industries...

...a leading provider of education and professional development opportunities for individuals in remittance, data and **image** capture, forms processing and related emerging technologies. (TAWPI, 617/426-1167, <http://www.tawpi.org>.)

29/3,K/10 (Item 8 from file: 267)  
DIALOG(R)File 267: Finance & Banking Newsletters  
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00026581

### **B Of A Leading TransAmerica Facility**

Bank Loan Report  
June 16, 1997 **Vol:** 12 **Issue:** 24 **Document Type:** NEWSLETTER  
**Publisher:** INVESTMENT DEALERS DIGEST  
**Language:** ENGLISH **Word Count:** 1825 **Record Type:** FULLTEXT

(c) INVESTMENT DEALERS DIGEST All Rts. Reserv.

#### **Text:**

...health care provider with 312 centers in 34 states.

Choicepoint Inc., an Alpharetta, Ga.-based **risk** management and fraud **prevention** firm solutions provider, has received a commitment from co-arrangers Wachovia Bank and SunTrust Bank...Palm Beach, Fla., is a physician practice management company that provides anatomical pathology services.

Consolidated **Graphics** Inc. said it had signed a new \$100 million credit facility with Chase Manhattan.  
Chase...

29/3,K/11 (Item 9 from file: 267)  
DIALOG(R)File 267: Finance & Banking Newsletters  
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00009407

**Emerging Markets, Turkey, Bringing the Eurobonds home**

Euromoney Magazine  
March 199 00, **Page:** 026 **Document Type:** NEWSLETTER  
**Publisher:** EUROMONEY ELECTRONIC PUBLICATIONS  
**Language:** ENGLISH **Word Count:** 689 **Record Type:** FULLTEXT

(c) EUROMONEY ELECTRONIC PUBLICATIONS All Rts. Reserv.

**Text:**

...next year this should double or  
quadruple."

According to Erkan, convertibility will lead to the **reduction** of  
the **risk** premium on Turkish bonds and help bring down  
spreads.

The ISE has plans to create...McCarthy, general manager of ING Istanbul,  
considers it a

great development. It will improve the **image** of the Turkish debt.  
And to those doubters, there's nothing new about Istanbul as...

29/3,K/12 (Item 10 from file: 267)  
DIALOG(R)File 267: Finance & Banking Newsletters  
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00003154

**BIOMETRICS ACT AS A THEFT DETERRENT**

CREDIT RISK MANAGEMENT REPORT  
March 10, 1997 **Vol:** 7 **Issue:** 4 **Document Type:** NEWSLETTER  
**Publisher:** PHILLIPS BUSINESS INFORMATION  
**Language:** ENGLISH **Word Count:** 417 **Record Type:** FULLTEXT

(c) PHILLIPS PUBLISHING INTERNATIONAL All Rts. Reserv.

**Text:**

...using fingerprint verification offers a viable new security measure for credit card issuers and may **reduce** their fraud losses, say **risk** analysts.

But be prepared to wait several months or even years before finger identification applications...

...approval by its inventor

Salvatore Ventura of Secaucus, N.J. is a digitally embedded fingerprint **image** on the actual credit card.

Customers would activate the card for 15 seconds by depressing their finger on the recorded **image**. The customer's identity would be

confirmed by running the credit card through an electronic...

29/3,K/13 (Item 11 from file: 267)

DIALOG(R)File 267: Finance & Banking Newsletters

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00001383

#### **CMS READIES CAR MODULE, AUTOMATIC FAX FUNCTION**

##### **ITEM PROCESSING REPORT**

July 18, 1996 **Vol: 7 Issue: 14 Document Type: NEWSLETTER**

**Publisher: PHILLIPS BUSINESS INFORMATION**

**Language: ENGLISH Word Count: 448 Record Type: FULLTEXT**

(c) PHILLIPS PUBLISHING INTERNATIONAL All Rts. Reserv.

##### **Text:**

...courtesy amount on checks; identify change of address requests; manage funds availability; and fax check **images** and reports to corporate clients.

CMS also expects to boost its standing with non-financial...

...component can import

float tables from their check processing systems to streamline funds management and **reduce** the **risk** of check and lockbox tables getting out

of sync, Rigakos says.

"Most lockbox people don...

...was not

available.



Additionally, CMS will introduce a module that automatically faxes reports and check **images** to corporate clients. The unit also allows banks to transmit **images** of batches, exceptions items or check

**images** above a set dollar amount.

Pricing for the module, which may require additional phone lines...

29/3,K/14 (Item 12 from file: 267)  
DIALOG(R)File 267: Finance & Banking Newsletters  
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#### **VENDOR INTRODUCES RECOGNITION ENGINE**

##### **ITEM PROCESSING REPORT**

May 9, 1996 **Vol: 7 Issue: 9 Document Type: NEWSLETTER**

**Publisher:** PHILLIPS BUSINESS INFORMATION

**Language:** ENGLISH **Word Count:** 375 **Record Type:** FULLTEXT

(c) PHILLIPS PUBLISHING INTERNATIONAL All Rts. Reserv.

##### **Text:**

...Orbograph.

OrboCAR, which processes 60-2400 checks per minute, reads handwritten numeric courtesy amounts from **images** of checks, remittance stubs and control documents, and accepts Fax Group 3 or 4 compressed bitonal **images** and JPEG compressed grey scale **images**. It boasts up to 77 percent CAR rates, he says.

The engine, which is Unix...

...commercial

checks as part of the recognition process. OrboCAR can be implemented off-line, receiving **images** from an existing server, or on-line, getting **images** directly from a transport.

Vetterick believes OrboCAR's "high read rates and low substitution rates" will appeal to remittance processors looking to **reduce** labor costs. The **risk** of misencoded checks, and the time required to identify substitutions and balance large transactions, has...

29/3,K/15 (Item 13 from file: 267)  
DIALOG(R)File 267: Finance & Banking Newsletters  
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## **WHOLESALE VENDORS READY INTEGRATED IMAGE SYSTEMS**

### **CORPORATE EFT REPORT**

FEBRUARY 21, 1996 **Vol:** 16 **Issue:** 3 **Document Type:** NEWSLETTER  
**Publisher:** PHILLIPS BUSINESS INFORMATION  
**Language:** ENGLISH **Word Count:** 1186 **Record Type:** FULLTEXT

(c) PHILLIPS PUBLISHING INTERNATIONAL All Rts. Reserv.

#### **Text:**

Banks should find it easier soon to add retail lockbox services to their wholesale **image** platform as a result of integrated lockbox systems due to be released this year.

"[Wholesale...

...in Dallas.

The move to integrated wholesale and retail lockbox systems could fuel interest in **image**-based lockboxes as more vendors tout the technology, says John Kincade, vice president of marketing...

...In addition, Cash Management Solutions Inc., headquartered in Clearwater, Fla., recently released Lockbox-2000, an **image**-based retail lockbox system that borrows many components from the vendor's wholesale lockbox system...

...on for them."

Data Management Products Inc. (DMP) of Omaha, Neb., plans to unveil an **image**-enabled retail lockbox system at the Bank Administration Institute conference next month in San Antonio, while ImageScan of Lanham, Md., is preparing to release an **image**-based retail lockbox system later this year.

#### **Retail Market a Logical Growth Area**

Tom Scott...

...of at least 10,000 items per day. Kincade said about 100 processors will purchase **image**-

based retail systems this year.

Conversely, the wholesale market has between 200-and-300 processors...

...wholesale lockbox

services, Mills says. Scott noted that about 40 of these banks already have **image**-based lockboxes.

Wholesale lockbox vendors also have much of the expertise necessary for developing **image**-based retail lockbox systems, Scott said. "We've already got the **image** workflow down, plus we know how to display, print and archive **images** at high speeds on a ...If they use proven components from their wholesale systems to build retail systems, they will **reduce** their **risk** of turning out a bad product and have an easier time integrating their wholesale and...

...to

track items through the stages of processing and to prioritize batches to present at **image** workstations.

...system.

Contact: Craig Sparkes, 510/450-6807

Cash Management Solutions

Recently released Locbox-2000, an **image**-based retail lockbox system.

Contact: Elias Rigakos, 813/524-1103

ImageScan

Plans to release an **image**-based retail lockbox system later this year.

Contact: Tom Scott, 301/306-0700

Data Management Products

Plans to release an **image**-based retail lockbox system late next month.

Contact: Jim Mills, 402/431-8810

Source: CORP

\*\*\*\*\*

29/3,K/16 (Item 1 from file: 608)

DIALOG(R)File 608: MCT Information Svc.

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06643920 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Chicago Tribune Automotive Notebook Column**

Jim Mateja  
Chicago Tribune  
March 07, 1999

**Document Type:** NEWSPAPER **Record Type:** FULLTEXT **Language:** ENGLISH  
**Word Count:** 1517

**Lead Paragraph:**

**Text:**

...car cheap when he doesn't know when the next one is coming," Roberts said.

**IMAGE BUILDER:** Ron Zarrella, president of GM's North American operations, was brought to GM from Bausch and Lomb to develop brand **image**. Many have questioned what brand **image** means. The problem is the brand **image** concept was introduced before the vehicles that made sense of it, Zarrella says.

"We're starting to see the product fit the **image** now," Zarrella said in an interview. "It will take three years for the product to be consistent with the brand **image**.

Until then?

"I'm comfortable with Pontiac (Grand Am, Grand Prix and Bonneville leave no doubt the **image** is sporty performance), and with Buick with its current lineup though Buick still needs to...66 pounds is in the front seat to keep the air bag from deploying to **reduce risk** to the child. It also will keep the bag from deploying if the seat is...

29/3,K/17 (Item 2 from file: 608)

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06637109 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**The Times Leader, Wilkes-Barre, Pa., Corporate Ladder Column**

Times Leader, Wilkes-Barre, Pa  
February 15, 1999

**Document Type:** NEWSPAPER **Record Type:** FULLTEXT **Language:** ENGLISH  
**Word Count:** 824

**Lead Paragraph:**

**Text:**

...directors. He also is a former employee of the Hanover Township treatment plant.

**CONFERENCE**

New **Image** International: Stephen Sperlazzo, area director, attended the company's national conference last month in Birmingham...

...of 90 hours of instruction in contract law, professional standards, sales and marketing, finance and **risk reduction**.

**NOTEWORTHY**

Eyerman, Csala, Hapeman & Handman: Two projects by the Wilkes-Barre architectural firm were featured...

29/3,K/18 (Item 3 from file: 608)

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06612649 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**The Orlando Sentinel, Fla., Jobs Column**

Diane Sears-Campbell

Orlando Sentinel

December 02, 1998

**Document Type:** NEWSPAPER **Record Type:** FULLTEXT **Language:** ENGLISH

**Word Count:** 810

**Lead Paragraph:**

**Text:**

...0, which works on a MacIntosh or IBM-compatible personal computer, uses colorful 3-D **images** to quiz you on where you're straining your body.

Then it uses video clips to walk you through exercises that last maybe 30 seconds and are designed to **reduce** your **risk** of injury. The program can prompt you to do the exercises whenever you tell it...

29/3,K/19 (Item 4 from file: 608)

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06607346 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Washington State's Basic Health Plan Is In Trouble**

Tyrone Beason

Seattle Times

November 12, 1998

**Document Type:** NEWSPAPER **Record Type:** FULLTEXT **Language:** ENGLISH

**Word Count:** 1487

**Lead Paragraph:**

**Text:**

...as much of a deal today as it was before," says Marshelle Anderson, a freelance **graphic** artist from Seattle who received a notice in the mail saying her Basic Health premium...46 a month for health insurance through the firm's group plan.

Anderson, the freelance **graphic** artist, says she has decided to stay with Basic Health for now, despite the rising...

...then would pay a cheaper group rate instead of an individual rate.

"That spreads the **risk**," she said, and may **prevent** the neediest enrollees from draining the system.

Cody disagrees that benefits are too generous. For...

29/3,K/20 (Item 5 from file: 608)

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06605591 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Tough Times Hit Minnesota-Based Hedge Funds**

Tim Huber

Saint Paul (Minn.) Pioneer Press

November 08, 1998

**Document Type:** NEWSPAPER **Record Type:** FULLTEXT **Language:** ENGLISH

**Word Count:** 2341

**Lead Paragraph:**

**Text:**

...are getting nervous, stock and bond prices are jumping up and down, the industry's **image** is getting tarnished and talk of regulation is

growing. To top it all off, some...have been forced to unwind positions."

HOW MANY: Estimated 5,500 worldwide.

GOALS: Seek to **reduce** market **risk** by shorting equities or derivatives.

PERFORMANCE: Not necessarily dependent on the direction of the bond...

## **VI. Additional Resources Searched**

EBSCO HOST  
0 RESULTS